TraderXsoft

JTechnical Suite

User Manual

JTechnical Tool (indicator) - version 4.00

JTechnicalX (trading engine) - version 4.00

Platform: MetaTrader 5

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Trading involves risk. These tools mark levels, size positions and carry out the orders you ask for; they do not predict price, and nothing here is financial advice. Check every order before you confirm it, and test on a demo account first.

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1. Introduction

The JTechnical Suite is two programs that work together in MetaTrader 5. The indicator reads the chart and gives you the panel; the Expert Advisor carries out the trading, because MT5 does not allow an indicator to place orders.

1.1 What is in the package

File	Type	Purpose
JTechnical_Tool.ex5	Indicator	Chart analysis, the cards, the watchlist and every tool you click or type.
JTechnicalX.ex5	Expert Advisor	Execution, position management, protection, the daily guard and trade adoption. Also downloads the weekly COT report for the Suite.
JTechnical_COT.ex5	Script	Downloads the weekly COT report when you use the Tool without JTechnicalX (section 5.5).

The EA is optional. Without it the indicator still does all of its analysis; you simply cannot send orders from the Trade card.

1.2 What it does

- **Confluence:** the reasons a level matters, drawn together and counted on one chart (section 1.3).
- **Chart marks:** supply & demand zones on two timeframes, a zone meter, multi-timeframe trendlines, ICT breaker blocks, engulfing candles inside zones, breakout barriers per timeframe, kill zones, liquidity levels and the premium / discount of the dealing range.
- **Click-candle tools:** select a candle and press a key to draw its levels, an order block, a fair value gap or a breaker block.
- **Positioning:** the CFTC Commitments of Traders report read for your symbol: who is crowded, where the funds got in, and where price sits in its weekly, daily and H4 ranges (section 5.5).
- **Cards:** no fixed panel. Chart, Confluence, Dealing ranges, Levels, COT, Trade, Partials & breakeven, Log, Settings and Keyboard are cards you place anywhere on the chart, fold away to a tray, and arrange into layouts (chapter 4).
- **Watchlist:** a window, opened from the tray, that lists your symbols, shows live P/L on the ones you are in, and switches the chart when you click a row.
- **Trading:** market, pending and two entry models, with legs, ladders, trailing, virtual protection and a daily guard.

1.3 Built for confluence

A level is worth trading when several things agree on it: a fresh zone, the structure on the higher timeframes, liquidity resting nearby, the session, where price sits in the dealing range. The Tool is built to show those reasons together, on the chart you trade from, so you decide on evidence, and before you size the trade rather than after.

Every layer it draws is one more reason a level matters. They are grouped on the Chart card under **On the chart**:

Layer	What it adds to the decision
Structure	
Supply / demand zones	The level itself, on two timeframes, fresh or tested, with broken zones marked (6.1)
Zone meter	How ready the nearest zone is: is the approach tiring, is price rejecting the edge, was liquidity swept (6.9)
Trendlines	Pivot lines from up to five timeframes; a break near a zone is one more sign (6.2)
Breakout barriers	The higher-timeframe range edges, where the bigger picture turns (6.4)
Sessions and levels	
Kill zones	The sessions where moves tend to start (6.5)
Liquidity	Previous day and week highs and lows, equal highs and lows: the stops resting near a level (6.6)
Premium / discount	Whether price is cheap or expensive in its dealing range: buy in discount, sell in premium. Switched on the Dealing ranges card (6.7)
H4 candle hours	The H4 opens you watch, highlighted across the last few days (6.8)
Positioning	
COT bias	Whether the big players are crowded on one side, which tells you which side has the edge this week (5.5)
Funds' entries and build zones	Where the funds put their positions on: the levels they defend, or abandon in a hurry (6.10)

Reading it

- **The setup line.** At the top of the Chart card the Tool names the nearest zone as a setup, such as *LONG SETUP · H4 Demand, 6.1p below · 5/6*, with a six-part bar of how many Confluence checks agree (5.1).
- **Confluence.** The six checks themselves, on their own card: fresh or tested, the higher-timeframe trend, premium or discount, the kill zone, the COT bias and liquidity (5.2).

- **The count.** The Chart card's layers open with **On the chart** and how many are on, say *6 of 9 on the chart*, so a bare chart is never a surprise (5.1).
- **The zone's card**, opened from its meter, lists each approach check for and against with its reason (6.9).
- **The Levels card** lists the levels around price by distance, so you see what else sits near the one you are watching (5.4).

> **More is not always better.** Switch off a layer that is noise for your style; the count shows what is in play. The Tool lays out the evidence; the decision stays yours.

1.4 New in Tool 4.00 / JTechnicalX 4.00

A new workspace. The panel is gone: each part of it is a card you place where you want it on the chart. The analysis and the trading work as before.

- **Cards:** Chart, Confluence, Dealing ranges, Levels, COT, Trade, Partials & breakeven, Log, Settings and Keyboard, and the Watchlist. Drag a card by its title bar and it snaps to the chart's edges and to the other cards; the dash on the title bar, or a drop on the tray, folds it away (section 4.1).
- **The tray** along the bottom left: a chip for every card, lit while the card is open, with the **Layout** menu and **Save layout** (section 4.2).
- **Layouts:** Default, Scalp, Analyse and Manage, and three of your own that open on any chart. Each symbol and timeframe keeps its own arrangement (section 4.3).
- **Chart toggles and the status bar** at the bottom right, always in reach: Zones, Trend, Labels, R:R and Clear; then the EA's state, the last message, **Save diagnostics** and **Shot** (section 4.2).
- **The Chart card** joins the old status card and the Chart page: the symbol and price, the setup line and its meter, the timeframe tiles and chips, then every layer (section 5.1).
- **The Trade card** opens like JTraderX's: what is happening in words, a step rail, and **Today**, the day's result against the loss limit. The Sequence list shows in dry run, for reviewing a paper setup (chapter 11).
- **How to enter** as on JTraderX: **EM1** and **EM2** first, then **Market**, **Stop** and **Limit** in a fold, *Place an order now, without the sequence*. Nothing is picked when the Tool loads, so no order button shows until you choose (section 11.3).
- **Close Profit** and **Close Loss** while a trade runs (section 11.6).
- **The trailing stop** is set on the Partials & breakeven card only, so Settings is **Guard** and **Entry**. **Mobile Trade** moved to the Trade card, and the Trade card's **COT filter** folds, closed to start with.
- **Replay charts:** on a JReplay symbol (a name ending *.rp*) the lot size comes from the real symbol behind it, so the Trade card's size and order steps work on replay.
- **JTechnicalX 4.00:** Close Profit and Close Loss; an armed setup or a paper trade ends when its chart moves to another symbol, instead of carrying the old symbol's prices across.

1.5 New in Tool 3.00 / JTechnicalX 3.00

A new panel, laid out around the decision. The analysis and the trading work as before, with more room in the ladders.

- **A side rail** replaces the tab row and the footer buttons: **Chart**, **Levels** (the old POI tab), **COT**, **Watch**, **Trade**, **Log** and **Settings**, then **Shot** and **Keys** (section 4.3).
- **Setup line and Confluence:** the nearest zone read as a setup, with six checks for it and a bar of how many agree; click a check for its detail (section 4.2).
- **Dealing ranges in the status card:** W1, D1 and H4, each with its gauge, its last break and an **On** switch that draws it on the chart. They moved here from the COT tab, and show whether or not COT is on (section 4.2).
- Confluence and Dealing ranges **fold away on the Trade page**, where the room goes to the order, and open again on the others.
- **Partials, breakeven and protection on the Trade page**, where the trade is planned: only the levels in use are listed, with **− Partial**, **+ Partial**, **− BE step** and **+ BE step**. Then Mobile Trade (section 11.7).
- **Four partials and four breakeven steps** in JTechnicalX 3.00, up from three and two.
- **Kill zones per session:** Asia, LDN, NYa and NYp, each its own switch (section 6.5).
- **Lines and zones run behind the panel** instead of across it (section 4.5).
- The Chart page lost the Labels and Premium / discount rows (Labels is in the toggle row, premium / discount is under Dealing ranges), and the Settings page is **Guard**, **Entry** and **Trailing**.

1.6 New in Tool 2.48 to 2.50 / JTechnicalX 2.10 to 2.13

- **The R:R ladder:** with JTechnicalX attached, the R:R tool and open trades show your partials and breakeven steps in R, share and money, with the whole plan and a live Now line (section 9.1). The R:R lines also survive a timeframe change.
- **Breakeven never puts the stop on the wrong side of price** (section 11.7).
- **Breaks at the weekend:** a finished candle now counts as soon as the market shuts, so Friday's daily candle can show a BOS or CHoCH over the weekend instead of waiting for Sunday's open. During the week the forming candle is still left out (section 5.6).
- **COT Index chart** on the COT tab, under Open interest: the funds' and commercials' index over the last 52 reports, with the extreme bands shaded (section 5.6).
- **Zones, Trend and Labels start off** each time the Tool loads, including when you change the timeframe or symbol, so a new chart opens clean. Click them on when you want them (section 4.2).
- **JTechnicalX 2.12: virtual protection made watertight.** The broker's stop always follows the protection mode, for open trades and resting orders; a refused change stays virtual and watched; a failed close alerts and retries; removing the EA or closing MetaTrader hands the real levels to the broker (section 11.7).
- **COT tab:** the CFTC Commitments of Traders report for your symbol: each group's COT Index, a bias (bull extreme, bear extreme or none), the funds' estimated average entries and build zones, and

the weekly, daily and H4 dealing ranges each with a premium / discount gauge and its last break (section 5.6).
- **On the chart:** the funds' average entry lines and the build zones nearest to price (section 6.10).
- **Weekly, daily and H4 dealing ranges**, picked with **W · D · H4** chips next to the Premium / discount switch. Only H4 is on to start with (section 6.7).
- **COT chip** in the status card, and the **timeframe tiles** under it switch the chart to that timeframe when clicked.
- **JTechnicalX:** downloads the COT report every Friday; an optional **COT filter** that refuses entries against the positioning, the range or the structure; and an optional **TP2** at the funds' average entry, with part of the trade closed at your target (section 11.10). Both are off until you switch them on.
- The price in the panel header always keeps its room; the kill-zone pill shortens or moves into the price's tooltip when space is tight.

1.7 New in Tool 2.41 to 2.45 / JTechnicalX 2.06 to 2.08

- **Confluence on the Chart tab:** every layer in one list, grouped into Structure and Sessions and levels, with a count of how many are on, and a switch for the zone meter (section 1.3).
- **Approach meter on the zone:** as price nears the closest zone, a meter on the zone scores the approach out of 100 from seven signs of exhaustion. Click it for the card (section 6.9).
- **Clickable levels:** a row in Levels by distance takes the chart to that level and flashes it.
- **Every trade on the symbol shows its result** at the top of the Trade tab, including ones from your phone or the MT5 order window, and says how many JTechnicalX did not place.
- A **Screenshot** button in the panel footer, and a **Copier** row on the Trade tab when JTrader Copier runs on the account.
- **Pips** now mean what traders expect on gold, silver, indices and crypto, and the panel and the engine always agree on them (see section 14.1).
- **Restarts are safe mid-trade:** each trade's real stop, R, virtual levels and ladder progress are picked up again after a restart, and a pending order's stop carries over when it fills.
- Every leg of a multi-leg entry now gets the virtual stop and its own R, not just the last one.
- Adoption keeps to its magic-number filter and delay, and the panel's buttons never touch another EA's trades.
- Resting entries count toward the daily trade cap, the count and any lock survive a restart, and the day's P/L no longer counts deposits.

1.8 New in Tool 2.40

The panel was rebuilt to match JTraderX: easier to read, harder to misuse. Nothing about the analysis or the trading changed.

- A **status card** says in a sentence where price is, such as *Price is 6.1p above H4 Demand (fresh T0)*, with the structure and the dealing range underneath.

- The eight crowded toolbar buttons became **five quick toggles**; the rest moved to a new **Chart** tab with room for proper labels.
- The **POI** tab lists every level by distance again, above and below a gold price line.
- The **Trade** tab runs top to bottom: setup, size, how to enter, then one button that says exactly what it will send.
- The Edit card is the **Settings** tab, grouped into Guard, Entry, Stops and Ladders.
- **Close all** and **Lock now** need a second click, like the order button always has.

2. Installation and licence

2.1 Install

1. In MetaTrader 5 open **File > Open Data Folder**.
2. Copy `JTechnical_Tool.ex5` into `MQL5\Indicators`, `JTechnicalX.ex5` into `MQL5\Experts` and `JTechnical_COT.ex5` into `MQL5\Scripts`.
3. Restart MetaTrader, or right-click Navigator and choose **Refresh**.
4. Drag **JTechnical Tool** onto a chart, then drag **JTechnicalX** onto the same chart.
5. Switch on **Algo Trading** on the toolbar, and tick **Allow Algo Trading** in the EA settings.
6. For the licence: **Tools > Options > Expert Advisors**, tick **Allow WebRequest for listed URL** and add `https://app.traderxsoft.com/check`. Your key checks in there; without it a licensed live account will not start. Demo accounts do not need it; a free trial from the site is a key like any other.
7. The **JTechnical Tool** is an indicator, and MT5 does not let indicators use WebRequest, so the Tool checks its licence through Windows instead: when you attach it, tick **Allow DLL imports** in its settings window (or once for all programs under **Tools > Options > Expert Advisors**). It is only used for the licence check. Demo accounts do not need it.
8. For the COT card: **Tools > Options > Expert Advisors**, tick **Allow WebRequest for listed URL** and add `https://publicreporting.cftc.gov`. JTechnicalX then downloads the report by itself (section 5.5).

Only one EA can run per chart. If another EA already occupies the chart, open a second chart of the same symbol.

2.2 Licence

Each product is licensed to one account number. The Licence input group holds two settings:

Setting	Meaning
Licence key	The key issued for your account, by the shop or by a free trial started on the site.
Demo accounts run without a key	Demo accounts work unlicensed, so you can test freely.

- **Unlicensed, the indicator loads but draws nothing** and prints the reason on the chart.
- **Unlicensed, the EA loads but will not trade**, and the status bar shows *No EA on this chart*.
- The licence is re-checked every few minutes, not only at startup. With a key, it checks in with the TraderXsoft server at `https://app.traderxsoft.com/check` each time (built in; allow it under WebRequest, section 2.1). If the server cannot be reached, a licence that checked in during the last 3 days keeps working.

- A live account always needs a key. On a demo account without a key, hover the symbol on the Chart card's title bar for the licence status.

Code	Product
JT1	JTechnical Tool v1 (entry tier indicator)
JR1	JTechnical Trader v1 (entry tier order EA)
JTT	JTechnical Tool (this manual)
JTX	JTechnicalX (this manual)
JRX	JTraderX
JNX	JournalX

> **Keys are per account and per product:** a key made for one code will not run another, and a key for one account number will not work on another. If you change broker or account, ask for a new key.

> **Update notices come from TraderXsoft, not from MetaTrader.** When a newer build of the JTechnical Tool or JTechnicalX is out, a flashing amber and red badge appears at the top of the chart, for example ▲ *JTechnical Tool update: 3.10 (you have 3.09)*, with *required* when the update matters. It arrives with the licence check: MetaTrader itself has nothing to update, and the MetaTrader update button will not install it. Download the new file from `app.traderxsoft.com/downloads`, copy it over the old one in the same `MQL5` folder (**File > Open Data Folder**), then remove the program from the chart and attach it again. Click the badge to hide it for a day; it comes back the next day while the update is still waiting, and at once for a newer version.

3. Quick start

1. Attach both programs. The **Default** layout opens: Chart, Confluence and Dealing ranges down the left, Trade on the right.
2. Switch on **Zones** and **Trend** in the chart toggles at the bottom right when you want them on the chart.
3. Click **Levels** in the tray to see every level above and below price, nearest first.
4. Click a candle: a key strip appears. Press **H** for its high, **L** for its low, **B** for an order block, **F** for a fair value gap.
5. Press **1**, **5** or **9** to highlight that H4 candle across recent days; press again for the afternoon one.
6. On the **Trade** card, check the setup, set the risk or the lots, and pick **EM1** or **EM2**, or open *Place an order now* for Market, Stop or Limit. Check the Partials & breakeven card, then click the order button twice.

> **Tip:** drag a card by its title bar, fold away the ones you do not need, and use **Save layout** to keep an arrangement you like for every chart.

4. The workspace

The Tool has no fixed panel. Each part is a **card** you place where it suits you. Along the bottom of the chart, the **tray** on the left opens and folds the cards, and on the right sit the **chart toggles** and the **status bar**.

4.1 Cards

- **The title bar** carries the TraderXsoft mark, the card's name, a note on the right (a count, or what to click), and a dash that folds the card away.
- **Drag a card by its title bar.** Chart scrolling pauses while you drag. Within 8 pixels of the chart's edge or of another card's edge (side by side, stacked or lined up), the card snaps to it, and an orange line shows the edge it snapped to. The **Cards snap to the chart's edges and to each other** input turns snapping off.
- **Click a card** to bring it in front of the others.
- **Fold a card away** with the dash, or drag it onto the tray: the tray lights up while the card is over it. Its chip in the tray brings it back.
- **A card you open goes into free space:** where it covers nothing, as near as possible to where it last sat. On a full chart it goes where it covers least.
- **Cards stay on the chart**, above the strip along the bottom. If you make the chart smaller, they move back inside it.
- **A card taller than the chart** shows the rows that fit, with an **▲ Up** / **Down ▼** bar at its foot. Each click moves one screenful, and each card keeps its own place.
- **Card width** (380 pixels to start, 300 to 520) is an input. A Tool already on a chart keeps the width it was attached with; change the input or attach it again.
- Where the cards sit, which are open and the layout are **kept per symbol and timeframe**, so each chart comes back as you left it.

4.2 The tray, the chart toggles and the status bar

The tray, bottom left:

- **Layout** ▾ opens the Layout menu (4.3).
- **Save layout** ▾ saves the cards as they are now into one of your three layouts (4.3).
- A **chip for every card**: Chart, Confluence, Ranges, Levels, COT, Trade, Partials, Log, Settings and Keys. A chip is lit in blue while its card is open; click it to open or fold the card. Confluence shows its count, such as *Confluence 4/6*, and Trade says *armed* while JTechnicalX has a setup armed.
- **Watch** opens and closes the watchlist window (chapter 10).

On a narrow chart the tray takes a second row, growing upward; it never runs under the status bar.

The chart toggles, bottom right, above the status bar: **Zones**, **Trend**, **Labels** and **R:R**, with a coloured top edge while on, and **Clear…**, which removes what you added: the first click shows the count, the

second clears. **Zones**, **Trend** and **Labels** start off every time the Tool loads, including a change of timeframe or symbol, so the chart opens clean.

The status bar, bottom right:

- The engine's state: **EA live** in green, **EA attached, dry run** in orange, or **No EA on this chart**.
- The last thing the Tool or the EA said, in gold while it is fresh. Hover it for the whole of a long message.
- **Save diagnostics** writes a file to `MQL5\Files` for a support ticket; JTechnicalX adds its own part.
- **Shot** saves a picture of the chart, cards included, to `MQL5\Files` as *JTechnical_<symbol>_<timeframe>_<date>_<time>.png*.
- The build number.

4.3 Layouts

Layout	Cards
Default	Chart, Confluence and Dealing ranges on the left; Trade on the right
Scalp	Chart on the left; Trade on the right
Analyse	Chart, Confluence and Dealing ranges on the left; Levels and COT on the right
Manage	Chart, Partials & breakeven and Log on the left; Trade on the right; and the watchlist
My layout 1, 2, 3	Whatever you saved there

- Choosing one of the four places its cards in columns down the chart's left and right edges; a column that runs out of room starts another beside it.
- **Save layout** keeps the cards you have open, where they are, as **My layout 1**, **2** or **3**; the menu shows when each was saved. Your layouts open on **any chart**: each card is kept by the chart edge it sits nearer to, so a card down the right side stays down the right side on a wider or narrower chart.
- **Reset** puts this chart back to Default.
- Once you move, open or fold a card, the Layout button reads *Custom*.

4.4 How the controls read

Control	How it works
Stepper	`– value +`: the value sits between its buttons, in a box as wide as its text. A list of modes steps with `< >`
Switch	ON in colour, OFF in grey. It always shows the state, never the action

Control	How it works
Choice	Buttons side by side, each as wide as its text; the chosen one is highlighted (gold for how to enter, blue elsewhere), the others grey
Fold	▾ open, ▸ folded. Click the heading to switch; folded, the heading keeps a summary
Top edge colour	Green is on or places a trade, red closes or removes, blue protects or adds, orange takes away, grey is off or not available
Click twice	The order button, Clear, Close all, Close Profit, Close Loss and Lock now act only on a second click within three seconds

Controls that need JTechnicalX are greyed while it is not attached, and say so in their tooltip. A label too long for its row is shortened with …; hover it for the whole of it. Notes and banners wrap onto more lines instead.

4.5 The cards and the chart

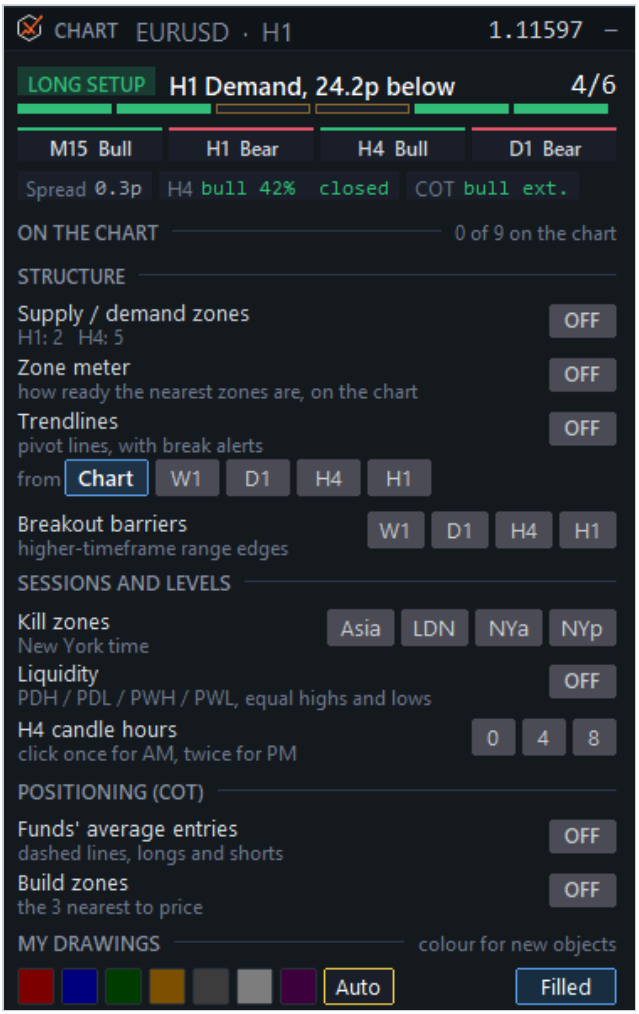
Lines and zones run behind the cards. Everything the Tool draws on the chart (zones and their edges, labels, trendlines, liquidity, breakers, your click levels, the R:R and EM lines) is drawn in the chart's background, so it passes under the cards instead of across them, and under the candles. Zone and liquidity labels hide while a card covers them. Everything can still be selected and dragged, and your own hand-drawn objects are left as they are. To bring the Tool's objects to the front, turn off **Tool lines, zones and their labels behind the panel and the candles**.

Countdowns (the H4 chip, the Levels card's *Closes in*, the Trade card's bar and the watchlist's timer) read *closed* while the symbol's market is shut.

5. The cards

5.1 Chart

The setup the Tool sees, then every layer it can draw, in one card.



The Chart card: the setup line and its meter, the timeframe tiles and chips, then the layers.

The title bar

Item	Meaning
CHART	The card's name, after the TraderXsoft mark.
Symbol · TF	The chart symbol and timeframe. Hover it for the licence status.
Kill zone pill	Shown while a kill zone you have switched on is active, in that session colour. Where space is tight it shortens (*Asia* for *Asia KZ*), and if it still does not fit it moves into the price's tooltip.

Item	Meaning
Price	Current bid. It always keeps its room: a long symbol name is shortened first.

The setup

- **The setup line**: the nearest zone that the approach meter scores, read as a trade: *LONG SETUP* or *SHORT SETUP* (or *DEMAND HELD* / *SUPPLY HELD* after a clean reaction), the zone, the distance, and how many of the six Confluence checks agree, such as *4/6*. Hover the count for the approach score. With no scored zone near price, the line says where price is in words instead.
- **The meter**: six segments, one per Confluence check (5.2). Green agrees, red is against, and a gold outline is waiting or neutral.
- **Bias tiles**: one per structure timeframe, with a green or red top edge, from the last close beyond a swing. Only finished candles count: the one still forming is left out, but a candle that has finished while the market is shut (Friday's at the weekend) counts straight away. **Click a tile** to switch the chart to that timeframe.
- **Chips**: the spread (red above the EA's limit), the higher-timeframe candle with its direction, position in its range and time left (*closed* while the market is shut), and the **COT** bias (*bull ext.*, *bear ext.*, *neutral* or *mixed*) when it fits.

On the chart

Every layer the Tool draws, each remembered per chart. Each layer is one more reason a level matters, and the count beside the heading (say *6 of 9 on the chart*) shows at a glance how many are switched on.

Structure

- **Supply / demand zones:** a switch, with the count per layer under it.
- **Zone meter:** shows or hides the meter on the nearest zones (section 6.9). Turning it off also stops its alerts and its EM2 arm, but the zones are still scored, because Confluence reads them. The **Show the approach meter** input turns it off for good.
- **Trendlines:** a switch, and the timeframes the lines come from: Chart, W1, D1, H4, H1. A lit chip in grey text is on but skipped here, because it matches or sits below the chart timeframe.
- **Breakout barriers:** W1, D1, H4 and H1 chips.

Sessions and levels

- **Kill zones:** one chip per session, **Asia**, **LDN**, **NYa** and **NYp**, each in its session colour while on. Hover a chip for its New York times. A session whose time is empty in the inputs stays grey (6.5).
- **Liquidity:** a switch.
- **H4 candle hours:** one chip per H4 opening hour on your broker. Click once for the morning hour, again for the afternoon one, a third time to turn it off.

- **Positioning (COT): Funds' average entries** and **Build zones**, a switch each for the COT levels on the chart (section 6.10). They count toward the total while COT is on.
- **My drawings:** seven colours plus **Auto**, and **Filled / Outline**. A colour applies to what you draw next and recolours anything you have selected.

Premium / discount is switched on the Dealing ranges card; Labels and Clear are in the chart toggles.

5.2 Confluence

The six checks on the nearest scored zone, in two columns, with a tick, a cross or a ring. The title bar counts how many agree.



The Confluence card: four of six checks agree.

Check	Agrees when
Fresh / tested	The zone has not been retested
Trend	The last break on the higher timeframe goes the setup's way
Premium / discount	A long sits in discount, a short in premium
Kill zone	A kill zone you have switched on is open
COT	The COT bias is an extreme on the setup's side (against: on the other side)
Liquidity	Liquidity between price and the zone was swept and reclaimed (the zone meter's check)

Click a check for a line on why it reads that way; click it again to close the line.

5.3 Dealing ranges

One row each for W1, D1 and H4: a discount / premium bar (the 50% line in the middle, a gold marker where price is), the percentage and zone, and the last break (**BOS** or **CHoCH**, its direction and age; hover it for the level). The **On / Off** switch at the end of each row draws or hides that range on the chart (6.7). The ranges show whether or not COT is on.

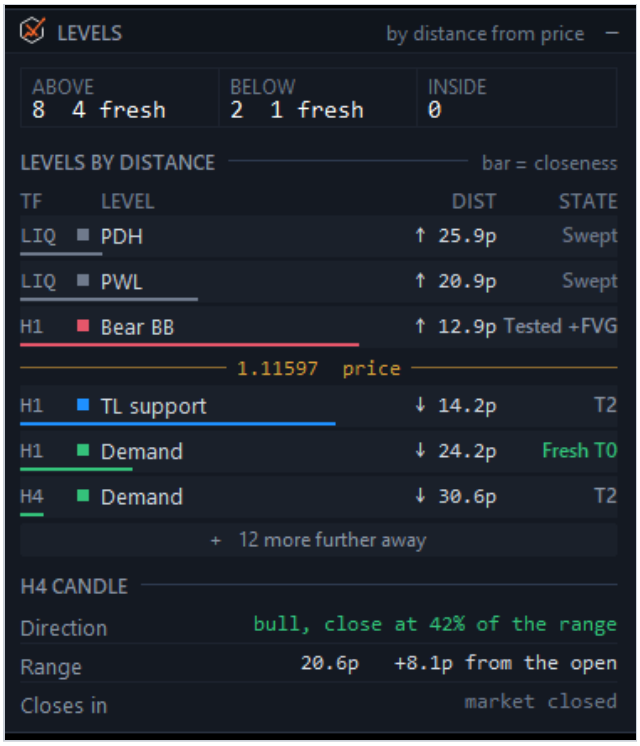


The Dealing ranges card.

A break needs a finished candle to close beyond the latest confirmed swing (three bars either side). The candle still forming never counts, so a break cannot appear and vanish within the bar. A candle that has finished while the market is shut counts at once: at the weekend, Friday's daily candle shows its break straight away.

5.4 Levels

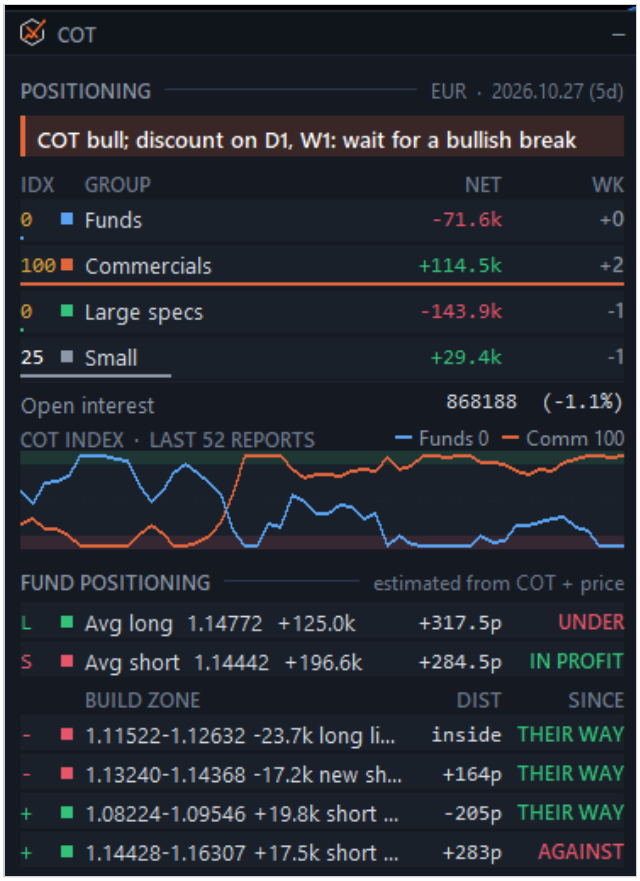
- **Summary tiles:** how many points of interest sit above and below price, how many of those are fresh, and how many price is inside.
- **Levels by distance:** every zone, trendline, breaker block, liquidity level and drawing of yours, nearest first. The ones above price sit over a gold price line, the ones below under it, so the list reads like the chart. Each row shows the timeframe, the level, the distance with an arrow, and its state (Fresh, Tested, Touch, Resting, Swept), with a bar that grows as price gets closer. **Click a row** to jump to it: the chart scrolls back to where that level starts, and it flashes with a gold outline for a couple of seconds. If the chart had to scroll, auto-scroll is paused so it stays put; press `End` and switch auto-scroll back on in the toolbar to follow price again.
- The nearest three each side are shown; **+ N more further away** opens the rest.
- **Higher-timeframe candle:** its direction, where it closes in its range, the range and move from the open, and when it closes (*market closed* while the market is shut).



The Levels card: levels by distance and the H4 candle.

5.5 COT

Every week the US Commodity Futures Trading Commission publishes the **Commitments of Traders** report: how many futures contracts each type of trader holds, long and short. Positions are recorded on Tuesday and published on Friday at 15:30 New York time. The COT card reads that report for your symbol.



The COT card: positioning, the COT Index chart and fund positioning.

Which market

The Tool picks the COT market from the symbol: currency pairs from their currencies (USD/JPY reads the yen future turned round, a cross such as EUR/JPY averages its two currencies), gold, silver, oil, natural gas, the US indices, the Nikkei, bitcoin and ether by name. Broker suffixes are ignored. For anything else, set **COT market override** (for example `GOLD` or `EUR/JPY`).

Positioning

A banner sums it up, then one row per group with its **COT Index** (the bar), net contracts and the change on the week:

Group	Who they are, and why it matters
Funds	Hedge funds and trend followers (Leveraged Funds in currencies, indices and crypto; Managed Money in commodities). When they are all on one side the trade is crowded, and the reversal, when it comes, is sharp.
Commercials	Producers and banks hedging a real business. They usually stand against the trend, and their extremes have often marked turning points.
Large specs	All large speculators, a longer-running version of the funds.

Group	Who they are, and why it matters
Small	The crowd. At an extreme, often on the wrong side.

Under **Open interest**, the **COT Index chart** plots the last 52 reports: the funds in blue and the commercials in orange, with the extreme bands shaded green at the top and red at the bottom, and the latest values beside the title. It shows how a reading got where it is: commercials pushing into the top band while the funds fall into the bottom one is the classic setup before a bullish turn. On a cross it plots the same averaged index as the rows. Hover it for a reminder of what it shows.

The **COT Index** puts this week's net position between its lowest (0) and highest (100) of the last 52 weeks (**COT Index lookback**). At or beyond 90 or 10 (**Extreme at**) the number turns gold. The **bias** is **bull extreme** when commercials are at the top of their range or funds at the bottom, **bear extreme** the other way round, **mixed** when both fire, and neutral otherwise. It says one side is crowded, not that the turn is this week.

The banner then puts the bias together with where price is: *In line for longs on H4* when the bias, the location and the last break all agree on a timeframe; *wait for a bullish break* when price is in discount but the structure has not turned; *wait for discount* when price is on the expensive side; and *no positioning edge* without an extreme.

Fund positioning

- **Avg long / Avg short:** an estimate of the average price of the funds' current longs and shorts, worked out by matching each week's change in their position with that week's prices on your chart. **IN PROFIT** or **UNDERWATER** says how they are doing. Funds underwater are under pressure to get out, and their exits speed moves up; funds in profit can sit through a pullback, so their average often acts as support (longs) or resistance (shorts).
- **Build zones:** the weeks of the last two years when funds changed their position unusually much, as the price range of that week, nearest to price first. Each says whether it was *new longs*, *short covering*, *new shorts* or *long liquidation*, how far away it is, and whether price has since gone **THEIR WAY** or **AGAINST** them. A big position was opened there: when price comes back, it is defended or abandoned.

These are estimates from weekly snapshots, so treat them as areas, not exact prices. They are not shown for crosses, which mix two contracts.

Dealing ranges

The weekly, daily and H4 dealing ranges are on their own card (section 5.3): where price sits in each range (premium, discount or equilibrium), the last break of structure (**BOS** continues the previous direction, **CHoCH** reverses it) with its age, and a switch to draw it. Click an average entry or a build zone on this card to show it on the chart.

A break needs a finished candle to close beyond the latest confirmed swing (three bars either side). The candle still forming never counts, so a break cannot appear and vanish within the bar. A candle

that has finished while the market is shut counts at once: at the weekend, Friday's daily candle shows its break straight away.

Where the data comes from

- **JTechnicalX** downloads the report every Friday after it is published, once WebRequest is allowed for `https://publicreporting.cftc.gov` (section 2.1). One chart does it for all of them.
- **Without JTechnicalX**, run the **JTechnical_COT** script (Navigator > Scripts) once a week after Friday 15:30 New York time. It needs the same WebRequest permission.
- The data is shared by every chart and picked up within a few seconds. If the report is more than ten days old, the card says so.

5.6 Trade

The nearest POI worked out as a trade, with what is happening now and the day so far at the top, then everything needed to take it: size, how to enter, Mobile Trade and the COT filter. Covered in chapter 11.

5.7 Partials & breakeven

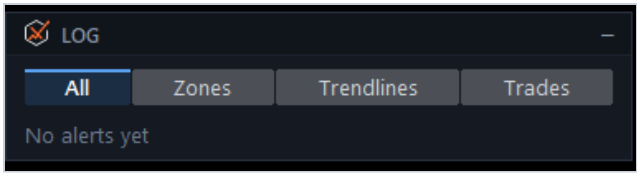
The partials, breakeven steps, protection and trailing stop for the trade. Covered in section 11.7.

5.8 Settings

The JTechnicalX settings you set once: **Guard** and **Entry**. Covered in section 11.8.

5.9 Log

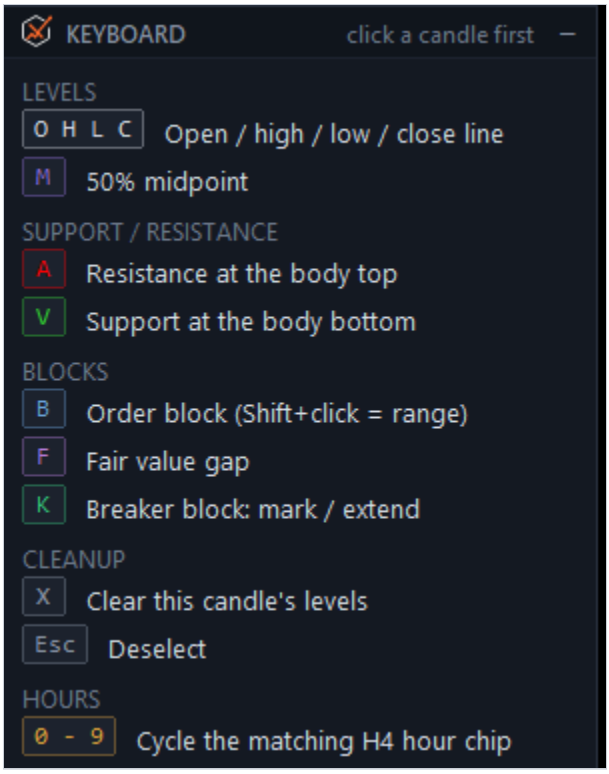
Alerts with their times, coloured by direction, newest first, with a filter: **All**, **Zones**, **Trendlines** or **Trades**. Order results and messages from JTechnicalX are logged here too; its echo of each setting you change (such as *riskMode = 1.0000*) is not, and shows only in the status bar. The log is kept in `MQL5\Files` per chart, so it survives timeframe changes and restarts. **Save diagnostics** is in the status bar.



The Log card with its filter.

5.10 Keyboard

Every shortcut, grouped and coloured to match what each key draws. Open it with **Keys** in the tray; chapter 15 lists the mouse actions too.



The Keyboard card.

6. Chart features

6.1 Supply & demand zones

Zones are built on two layers, the chart timeframe and a higher one. A zone is base candles followed by an impulse of at least the ATR multiple you set, or the last opposing candle in order-block mode.

- **Clean style (default):** a soft tinted fill, a thin outline, a solid line on the proximal edge and a dashed 50% line. Layer 2 uses a lighter fill and a neutral outline.
- **Classic style:** the older look, solid fill on Layer 1 and a thick outline on Layer 2.
- **Invalidation:** a close, or a wick, beyond the distal line. Broken zones turn to a grey dotted outline.
- **Touches** are counted and the zone is dropped after the number of retests you set.

> **If zones seem missing:** check the zones line on the Chart card. It counts what is drawn on each layer. If the count is healthy but you see nothing, raise the fill and outline opacity, and check that **Chart on foreground** is off in the chart properties.

6.2 Auto trendlines

Lines join two swing pivots and are kept only if no candle closed through them in between. Touches and breaks alert, with the timeframe named. Higher-timeframe lines are thicker and labelled, and are anchored using their own bar count so the value shown is the true one.

6.3 Breaker blocks

An order block that price closes through becomes a breaker: a broken bearish block becomes bullish, and the reverse. The breaker candle is the engulfed candle. **+FVG** marks one whose displacement left a fair value gap. Click one and press **K** to keep it as a permanent box.

6.4 Breakout barriers

For each timeframe you switch on, the last three-bar closing peak and trough are drawn: orange-red as BUY above, blue as SELL below. A dot on the label marks the side price has closed beyond, and an alert fires on each flip.

6.5 Kill zones

Asia, London, New York AM and New York PM are boxed on charts of H1 and below, each spanning its own session high and low. Each session has its own chip on the Chart card (**Asia**, **LDN**, **NYa**, **NYp**), remembered per chart. Times are in New York time and are set in the inputs; an empty time switches a session off for good. The active session, if you have it on, shows as a pill on the Chart card's title bar and counts toward Confluence.

> **Server offset:** the **Server time minus New York time** input converts the session times to your broker clock. The default of 7 suits most GMT+2 / GMT+3 brokers. If the London box does not start at 02:00 New York time, change this value.

6.6 Liquidity

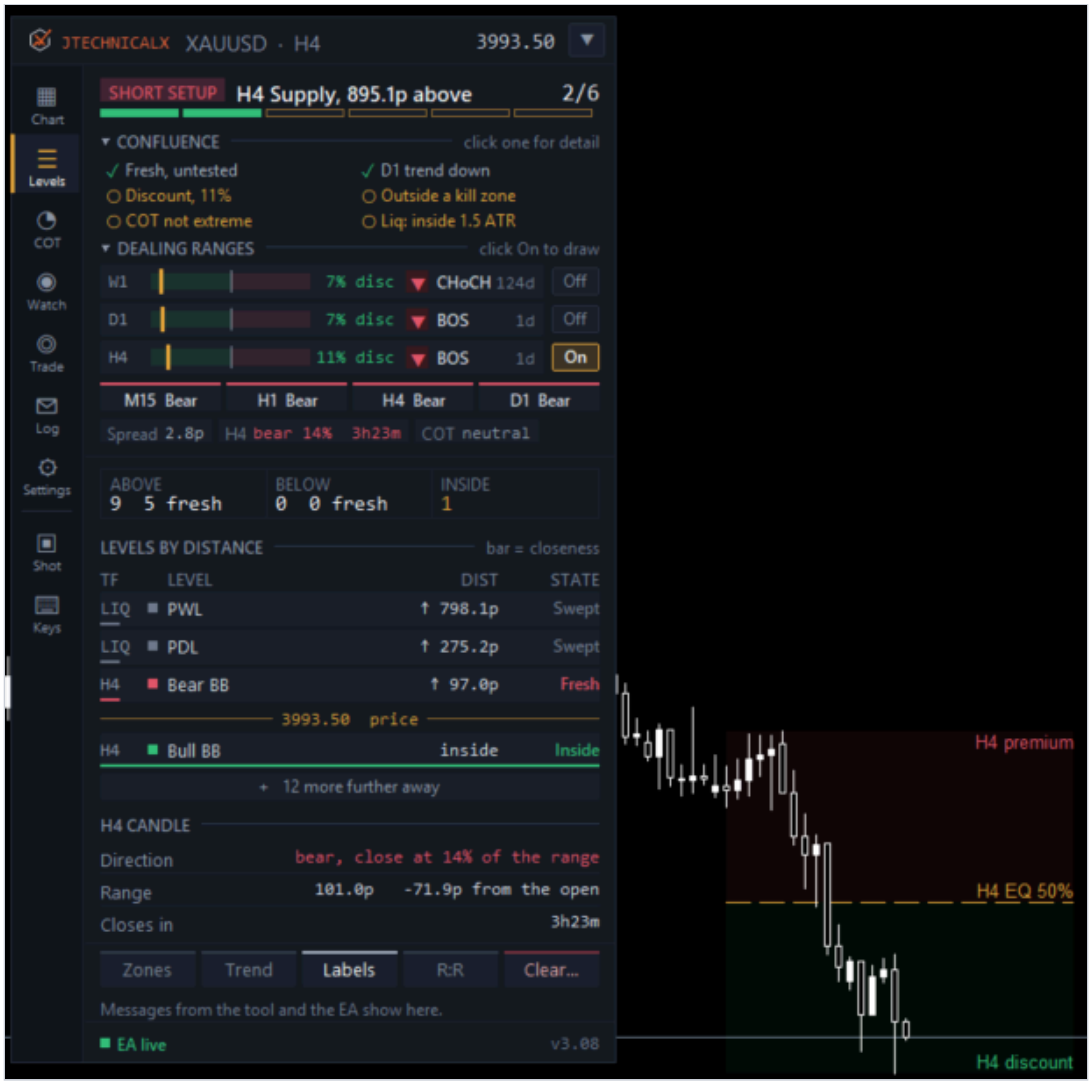
Mark	Drawn from	Swept when
PDH / PDL	The start of yesterday	Today trades beyond it
PWH / PWL	The start of last week	This week trades beyond it
EQH / EQL	The first of the two matching swings	Price trades beyond the level

Resting levels are light, swept ones grey and labelled "swept". A sweep is caught on the tick it happens and can alert. The nearest ones are also listed on the Levels card.

6.7 Premium / discount

The dealing range runs between the most recent confirmed swing high and low on the timeframe you choose, and widens if price trades beyond either end. The upper half is shaded as premium, the lower as discount, with a dashed EQ 50% line.

The weekly and daily ranges can be drawn the same way. Draw each with its **On** switch on the **Dealing ranges** card (the third row's switch draws your main timeframe, H4 by default). Each range is labelled with its timeframe (*W1 premium*, *D1 EQ 50%*), the labels are staggered so they do not sit on each other, and the wider ranges are drawn underneath. Where the ranges overlap the shading deepens, so price that is in discount on several timeframes at once stands out. Only H4 is on to start with; the inputs set which chips start on, and your choice is remembered per chart.



The H4 dealing range on the chart: premium, 50% and discount, switched on from the Dealing ranges card.

6.8 H4 candle hours

Press a digit, or click its chip on the Chart card, to highlight that H4 candle across the last few days: once for the morning hour, again for the afternoon one, a third time to turn it off. The digits come from your broker's real H4 opening hours, so on some brokers they are 0, 4 and 8 rather than 1, 5 and 9.

6.9 Approach meter

A small meter sits on the right end of the nearest zone below price (demand) and the nearest above it (supply). While price is far away it is grey and reads **watching** with the distance in ATR. Once scored it also shows the tally, for example `weak · at edge · 0 for / 1 against`, so a low score says why. Once price is within **1.5 ATR** of the zone (the **Score a zone once price is within x ATR** input), the meter scores the approach out of 100 and colours itself: red under 40, gold under 65, green from 65. At the edge it blinks slowly; after a clean reaction it reads **held**.

Your own boxes get a meter too (the **Also put the meter on the rectangles you draw** input, on by default): rectangles you draw by hand, and the order blocks, FVGs and breakers the keyboard draws on a candle (B, F, K), while they are shown on the chart's timeframe and not yet broken or filled. A keyboard box takes its side from what it is (a bullish block is demand) and its card uses its own name. Hand-drawn rectangles and keyboard boxes have separate slots: the nearest of each kind gets a meter on each side of price, alongside the auto zones' meters. For a hand-drawn rectangle, the nearest one below price is read as demand and the nearest above as supply, unless its name or label says buy, demand or long, or sell, supply or short. The card calls it *My demand box* or *My supply box*. The candles you drew the box around do not count as a visit: it counts from the first bar that closed clear of it. Hiding the auto zones hides their meters; yours stay.

Click the meter to open the card, and click it again (or the ×) to close it. The card shows the score, how many signs are for and against, and seven checks in three groups:

Check	Counts for the zone when
Early: on the way in (read when price arrives)	
Approach slowing	The last 4 bars moved toward the zone at 60% or less of the leg's average pace. Faster than the leg counts against; price moving away from the zone is neutral.
Leg stretched	The move into the zone is at least 5 ATR long (input), or it is the 3rd push or later. A shorter leg is neutral: not tired yet, which is not a reason against the zone.
Momentum divergence	Price made a lower low (a higher high at supply) but RSI(14) did not.
Tick volume	The last 4 bars traded 15% less than the 10 before. Rising volume counts against. This is MT5 tick volume, not real volume, so it carries the least weight.
At the edge	
Rejection wicks	Price probed the zone with a long wick (or a strong close back out of it) and no bar closed past the zone's 50% line. Closes in the outer half are normal; two closes past the 50% line count against.
Liquidity swept	A liquidity level between the leg and the zone (PDL, PWL or equal lows; the highs at supply) was taken, then price closed back. With nothing resting there, it stays neutral.
Confirmation	
Lower-timeframe shift	After the reaction, the lower timeframe (M5 on an M15 chart, M15 on H1, H1 on H4) closed beyond its last swing.

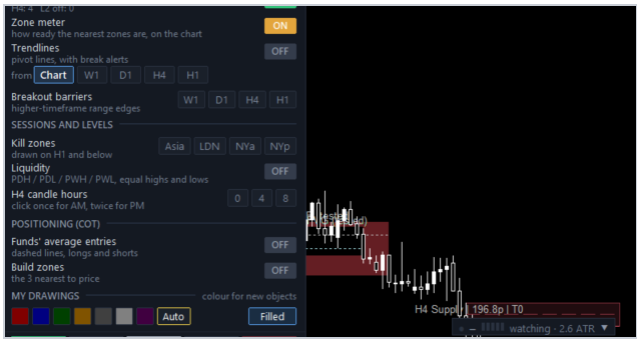
More adds each check's reason with the real numbers ("Last 4 bars moved 0.38 ATR each; the leg averaged 1.05") and **The zone itself**: fresh or tested, the higher-timeframe trend, premium or discount, and the kill zone. **Less** folds it again; the choice is remembered per chart.

The score adds 15 for each check that is met (5 for tick volume, 20 for the lower-timeframe shift), takes off half that for each one against, and adds 2 for each zone fact in your favour.

Two buttons on the card:

- **Alert at 60** sends one alert per approach when a zone reaches the threshold (the **Alert / EM2 threshold** input). On by default.
- **Arm EM2 at 60+** arms EM2 on JTechnicalX by itself when a zone reaches the threshold: entry at the proximal edge, stop beyond the distal edge plus the stop buffer, target at the next opposing POI. It only arms when nothing else is working on the symbol (no open trade, no pending order, no armed sequence), and once per approach. Off by default; needs the JTechnicalX EA on the chart.

> **Evidence, not a forecast.** A high score means the signs traders read for exhaustion are there; zones with high scores still fail. Orders sent while a zone is scored pass its score to JournalX's context file as **approach**.



The zone meter on the chart: still watching, 2.6 ATR from the zone.

6.10 COT levels on the chart

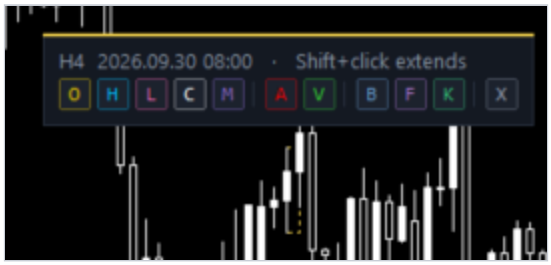
With COT data loaded, two kinds of level are drawn behind price:

- **Funds' average entries:** dashed lines at the estimated average price of the funds' longs (green) and shorts (red), labelled with whether they are in profit or underwater (**Chart: funds' average entry lines**).
- **Build zones:** faint boxes over the price range of the weeks funds changed their position the most, the three nearest to price (**Chart: build zones drawn**), from that week to the right edge, labelled with the size, the kind of move and the week.

Each has its own switch on the Chart card under **Positioning (COT)**, remembered per chart; the inputs only set how a new chart starts. Both follow the **Labels** toggle for their text. They are where large positions sit, so they make natural targets and places to expect a reaction; give them room, as they are estimates.

7. Click-candle tools

Click a candle to select it; shift-click a second to select a range. A key strip floats above the selection listing every key, and clicking a chip does the same as pressing it. Press the same key again to remove what it drew. The watchlist window always stays in front of the strip.



The key strip over a selected candle: O H L C M, A V, B F K and X.

Key	Draws
O H L C	Open, high, low and close lines
M	50% of the high-low range
A / V	Resistance at the body top / support at the body bottom
B	Order block over the selection, with an optional 50% line
F	Fair value gap (select the middle candle)
K	Breaker block, or extends a clicked auto breaker
X	Clears everything drawn from the selection
Esc	Deselects
0 - 9	H4 candle hours; works without a selection

Your marks stay when you change timeframe. **Show my levels / boxes on** decides whether they appear on the origin timeframe and lower, only there, or everywhere.

8. Your own drawings

Rectangles, trendlines and horizontal lines you draw yourself can be extended to the right, labelled with their size, listed on the Levels card and alerted on. Limit which ones with **Only names containing**. **Clear…** removes your click levels and the R:R tool, and your own drawings too if you allow it. Objects from other indicators are never touched.

8.1 A drawn rectangle is a POI

With **My rectangles count as POIs** on, any box you draw competes with the detected zones everywhere a POI is used: the Levels card, the Trade card setup, the R:R tool, and EM1 and EM2 when you arm them. Entry sits on the proximal edge, the stop beyond the distal edge plus your buffer, and the target on the nearest opposing POI.

- **Direction by name:** a box whose name or label contains buy, demand or long is treated as demand; sell, supply or short make it supply.
- **Direction by position** otherwise: below price is demand, above is supply, and a box price sits inside is judged from its midpoint.
- The **Only names containing** filter applies here too, which is the simplest way to keep scratch boxes out of your trade planning.

9. Risk:reward tool

Press **R:R** in the quick toggles, or the **Show these lines on the chart** switch on the Trade card, to draw entry, stop and target lines, then drag them. Each line carries a pill:

Pill	Shows
Entry	Direction, price and lot size
SL	Stop distance in pips, risk % of balance and the cash risk
TP	Target distance, the reward ratio and the cash reward

Cash figures come from the symbol's tick value, so they are correct on gold, indices and JPY pairs as well as ordinary FX.

The risk and the reward are also shaded as two soft blocks, green from entry to target and red from entry to stop, and they follow the lines as you drag them. Three inputs control them: on or off, how many bars back they start (0 = at the current bar) and how many bars forward they run.

9.1 The ladder

With JTechnicalX on the chart, the R:R tool also draws your **partial-close and breakeven ladder** from the Partials & breakeven card (up to four of each), so you see the whole plan before you enter. Every level reads in R, with the share it closes and what that share is worth:

Label	Example	Meaning
TP1 to TP4	*TP1 1.0R · 50% · +$60*	A partial: where it closes, the share of the position, and what that share makes
TP	*TP 3.0R · last 25% · +$90*	Your target and what is left to close there
Whole plan	*Whole plan +$210 · 1.75R blended*	Everything the plan makes if every level is reached, to set against the full risk
BE notes	*BE1 at 1.0R → stop to +0.2R*	Where a breakeven step triggers; a dotted gold line marks where it moves the stop
SL	*SL −1.0R · 10.0p · 1.00% · −$120*	The full risk

A partial set beyond your target never fires, so it is left off; if the partials close the whole position before the target, the TP label says so.

On an open trade placed by JTechnicalX, the same ladder is drawn from the trade's own entry and first stop, and it updates as the trade runs:

- Partials already taken turn grey and read *done*; the next level to reach is marked < *next*.

- The stop shows where it sits now, in R and money. Once breakeven has moved it past the entry it turns gold and reads *locked*, and the first stop stays as a faint dotted line.
- A **Now** label on price gives the open R and money, what the partials have already banked, and the **worst case**: what the trade ends on if the stop is hit from here.

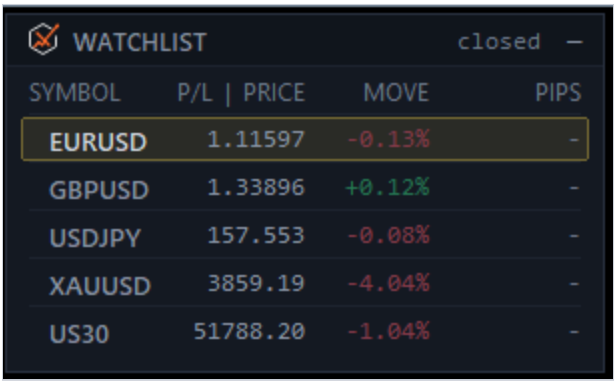
Several legs are shown as one trade, averaged. The **R:R and open trades: show JTechnicalX's partial / breakeven ladder** input turns it off. Without JTechnicalX the R:R tool shows the three pills above, as before.

Breakeven steps that trigger at the same level share one note. A step whose lock is at or past its trigger is shown in orange with when it will act (section 11.7).

The R:R lines are kept through a timeframe or symbol change, a change of inputs and a recompile, per chart and symbol: switch back to a symbol and its lines return. Turning the R:R tool off, removing the Tool or closing the chart forgets them.

10. Watchlist

Watch in the tray opens the watchlist, a window with a card's title bar: the TraderXsoft mark, **WATCHLIST**, the candle countdown, and a dash that folds it back to the tray. Drag it by its title bar; it snaps to the chart's edges and the cards like a card, stays above the tray, folds away when dropped on the tray, and opens into free space. It remembers its position per chart and always stays in front of the candle key strip.



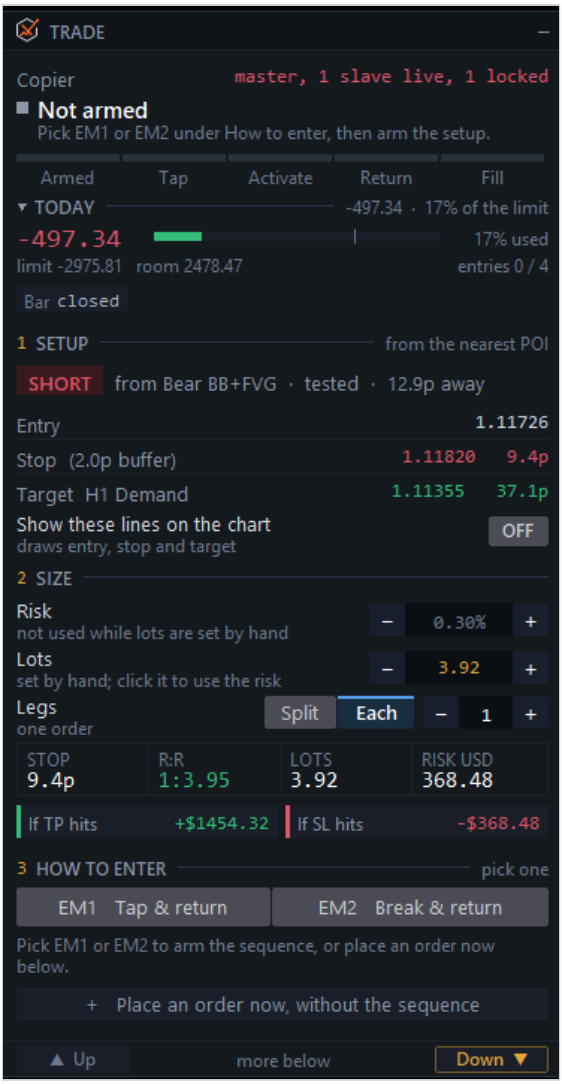
The watchlist.

Column	With an open trade	Flat
Symbol	Name plus long or short	Name
P/L | Price	Profit in account currency	Current bid
Move	Percent price moved in your favour	The day's change
Pips	The same move in pips	-

- Rows are coloured by P/L, and symbols you are in are listed first.
- **Click any part of a row** to switch the chart to that symbol.
- Symbols come from the **Watchlist symbols** input; anything you are trading is added even if it is not on the list.

11. Trading with JTechnicalX

The Trade card opens with what is happening now, then runs top to bottom in numbered steps, then Mobile Trade (11.9) and the COT filter (11.10). While a trade is open or an order rests, a **Close or protect** block sits above the steps (11.6). The partials, breakeven steps, protection and trailing stop are on their own card, Partials & breakeven (11.7).



The Trade card: status, step rail, Today, then Setup, Size and How to enter.

What is happening

- **The status line**, in words, with a coloured dot: *Not armed*, *Armed: waiting for price to tap the zone* with what comes after (*Then: the activate, the return, the fill*), *Filled at …*, *Cancelled* with the reason, *Expired*, *Disarmed*, or *In a trade* with the lots and the result. In dry run it starts *DRY RUN, no orders are sent*.
- **The step rail**: one segment per step of the model in use, **Armed**, **Tap**, **Activate**, **Return** and **Fill** (EM2 has no tap). Green is done, gold the last step reached, a gold tint the one it is waiting on, red

when a setup ended without a fill, orange when a dry run would have filled. Hover a step for what it needs and when it happened.

- **Sequence** (dry run only): once a setup is armed in dry run, the steps are listed two to a row with the time each happened, *waiting* or *would fire*; click one for its detail. It stays after the setup ends, until the next one is armed, so you can look back over the paper setup. It folds.
- **Today** (folds): the day's result, a bar of how much of the daily loss limit is used with a mark at 70%, the limit and the room left, and the entries against the cap. The same figures are on the Settings card's Guard, which is not always open while you trade.
- **Chips**: the time left on the bar (*closed* while the market is shut), and the distance to the entry while a setup is armed, or how far the open trade has moved.

11.1 Step 1: Setup

Row	How it is worked out
LONG / SHORT badge	From the nearest POI: demand is long, supply is short. Beside it: the POI, fresh or tested, and how far away price is.
Entry	The POI's proximal edge.
Stop	The distal edge plus your buffer, with the distance in pips.
Target	The nearest opposing POI, or entry ± risk × the default reward multiple.
Activation / Cancel	Shown for EM1 and EM2 (11.4).

Show these lines on the chart draws the setup as the R:R tool, so you can drag it; the Trade card then works from your lines.

11.2 Step 2: Size

- **Risk**: a stepper for the risk percentage.
- **Lots**: worked out from the risk. Step it and the size is set by hand: the value turns gold and the line under it says so. Click the value to go back to sizing from the risk.
- **Legs**: how many legs an entry places, with **Split** (the risk divided across them) or **Each** (every leg carries the full risk). If the split would fall below your broker's minimum lot, the leg count is reduced rather than the order refused.
- **STOP, R:R, LOTS, RISK**: the order in four figures, R:R green at 1:2 or better; then **If TP hits** and **If SL hits** in account currency.

11.3 Step 3: How to enter

As on JTraderX: the sequence first, then an order now, in a fold. **Nothing is picked when the Tool loads**, so no order button shows until you choose one of them.

Choice	What happens
EM1 Tap & return	Four steps: price taps the zone, pulls away and closes beyond the activation line, then returns to the entry, where it fills. The cancel line drops the setup if it is reached at any point before the fill.
EM2 Break & return	The activation close arms the zone, no tap needed, then fills when price returns to the entry.

+ Place an order now, without the sequence opens a second choice:

Choice	What happens
Market	Fills now at the spread with the stop and target attached.
Stop	A stop order one pull-away beyond the entry (the **Pull-away distance** on the Settings card, 2 pips to start), so it fills as price moves away from the zone.
Limit	A limit order at the entry: it rests until price comes back to it.

A line under each choice explains the one you picked. Closing the fold drops a Market, Stop or Limit pick. The **order button** sits under the choice in use and says exactly what it will send, such as *ARM EM2 SHORT 3.92 lots* or *PLACE BUY LIMIT 0.67 lots @ 1.08370*, and needs two clicks: the first reads *Click again to send*. It is green for a long and red for a short; market orders are always red, because they put on risk instantly. Hover it for the source, stop, target and cash risk.

A stop or limit has to sit on the right side of price. A buy stop goes above the price and a buy limit below it (the other way round for a sell). If price is already past the level, the button turns grey and says so, such as *BUY STOP: PRICE IS ALREADY ABOVE 1.11555*, and sends nothing; its tooltip suggests Market or the other kind. It comes back as soon as price is on the right side.

Without the EA on the chart, an orange box explains how to attach it in place of the button. You can still plan the setup and draw its lines.

11.4 Activation and cancel lines

Choosing EM1 or EM2 adds two rows and two lines on the chart, both on the profit side of the entry and measured in R: **Activation** at 0.70R is the close that confirms, and **Cancel** at 1.50R is the point where the move has gone without you and the setup is dropped. Their tags read like `ACT · 100.62 · 0.70R`, in the same pills as the SL and TP.

Both are draggable before you arm, and the placement you leave them at is what gets sent. They stay where you put them until JTechnicalX confirms the arm, so a refused arm loses nothing. If the size is above the EA's **Refuse orders larger than** input (5 lots by default), the Trade card says so instead of sending. Once armed, the order button turns into an orange **DISARM EM2 SELL … lots @ price** button (its tooltip says where the sequence is: waiting for the tap, activated, waiting for the return); one click cancels the setup. Once armed, JTechnicalX draws all five lines (entry, stop, target, activation and

cancel) and each of those is draggable too; move one and the armed sequence follows it. A sequence is also dropped if the stop is reached before a fill.

When the cancel line counts: once price has been on the entry side of it, at any stage. Put it above price on a long (below on a short) and a rally into it drops the setup, even before the tap: useful when a strong opposing zone sits there and your zone may not hold. If you arm with price already beyond it, the setup waits and the line starts counting once price comes back under it; JTechnicalX says so when you arm.

11.5 Entry trigger, spread and dry run

Once a model has done its job, the trigger decides how the order goes on:

Mode	What happens
Pull-away	Fills as soon as price moves the pull-away distance beyond the entry
Close beyond	Waits for a bar to close past that point, then fills
Stop order	Places a stop order there and stands down

The pull-away defaults to 2 pips. Between the model firing and the fill, the sequence sits in a triggered state, so the journal tells you it is waiting rather than going quiet.

- **Spread filter:** set a maximum spread and market and pending orders, legs and adoption are all refused above it, with the reason naming the spread and the limit. A triggered sequence holds rather than being dropped, so a news spike does not cost you the setup; one input flips that to dropping it instead. The spread chip on the Chart card turns red while it is blocking.
- **Dry run:** everything runs except the orders. Each point that would have traded reports what it would have done, and legs are suppressed. The status line starts *DRY RUN*, and the order button and the status bar turn orange, so it cannot be left on unnoticed. The Trade card then lists the setup steps (Sequence) for review.

> **The spread limit does not block the management buttons.** Closing reduces risk, and a wide spread is often exactly when you want out. It does guard the virtual levels instead: see 11.7.

11.6 Managing an open trade

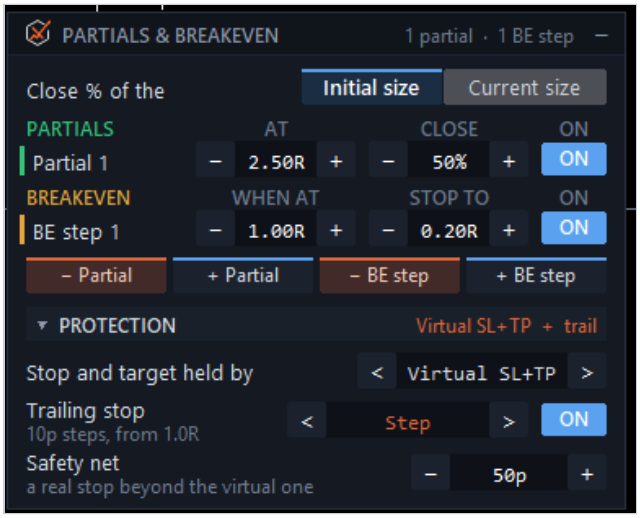
With a trade open on the chart's symbol, the top of the Trade card shows it, whoever opened it: **Open on** the symbol, then LONG or SHORT (or BOTH), the lots, how many trades and the average entry, and the **Result** in money and as a share of the balance. Trades from your phone, the MT5 order window or another EA count too; while the engine runs, a **Not placed by JTechnicalX** row says how many of them there are, and **Mobile Trade** can adopt them. Above it, a **Copier** row appears when JTrader Copier runs on this account, saying whether it is copying and, if not, why.

Button	Action
Close 25% / Close 50%	Closes that share of the open volume (the percentages are inputs)
SL to BE	Moves the stop to entry plus the breakeven offset
Close all	Closes every open trade on this symbol. Click twice
Close Profit (n)	Closes only the trades on this symbol that are in profit (swap counted); the count says how many. Click twice
Close Loss (n)	Closes only the trades on this symbol that are at a loss (swap counted). Click twice
Cancel pending	Deletes the pending orders on this symbol
Disarm EM	Cancels an armed entry model
− 1 leg / + 1 leg	Closes the newest leg, or adds one at the same stop and target

Under the trade steps sit **Mobile Trade** (11.9), the **COT filter** (11.10) and a summary of everything open on the account, by symbol. The ladders and protection are on the Partials & breakeven card (11.7). Close Profit and Close Loss need JTechnicalX 4.00.

11.7 Partials, breakeven and protection

On the Partials & breakeven card. The title bar counts the partials and breakeven steps in use; Protection folds, and folded, its heading keeps a summary. The values are JTechnicalX's live settings: they apply at once and are remembered per chart. Without the EA they say *needs the EA*.



The Partials & breakeven card, with Protection and the trailing stop.

Partials & breakeven

- **Close % of the**: whether the percentages are of the **Initial size** or the **Current size**.

- **Partials**: one row per partial in use, with an **AT** stepper (the R multiple), a **CLOSE** stepper (the percentage) and its switch.
- **Breakeven steps**: one row per step in use: at an R multiple, **LOCK** a given R. The stop only ever tightens. The stop is never put on the wrong side of price: a lock at or past the price waits until price is at least 0.1R beyond it, and the status bar says so.
- **− Partial** and **− BE step** (orange) switch the last one off. **+ Partial** adds the next partial at 25%, one R beyond the last; **+ BE step** adds the next step one R beyond the last, locking at the one before. JTechnicalX 3.00 has four partials and four breakeven steps; once all four of a kind are in use, its **+** button turns grey and its tooltip says so.

> **Use JTechnicalX 4.00 with Tool 4.00.** With JTechnicalX 2.13 only three partials and two breakeven steps take effect, and Close Profit / Close Loss need 4.00.

Protection

Stop and target held by steps through the modes:

Protection	Stop	Target
Real SL and TP	At the broker	At the broker
Virtual SL	Held by the EA	At the broker
Virtual SL+TP	Held by the EA	Held by the EA

With a virtual stop, **Safety net** places a real disaster stop that far beyond the virtual one, or nothing at the broker at all at zero, shown as *none* in red. Virtual levels are drawn as orchid dash-dot lines.

The broker always holds what the mode says. Switching mode, or changing the safety net, moves every open trade's levels across at once, and pending orders follow too: an order placed under one mode that fills under another is given the right stop when it fills. The same happens each time JTechnicalX starts, so after you change an input the trades follow the mode you now have. A trade with no stop gets no safety net.

- **Refused changes stay safe.** If the broker refuses a level (for example because price is already past it), the level stays virtual: JTechnicalX keeps watching it and keeps drawing it, whatever the mode.
- **A failed close is never silent.** When a virtual level is hit but the close fails (AutoTrading off, a requote, the market shut), you get an alert, *Virtual SL hit but the close failed*, with the reason, and JTechnicalX tries again on every tick until it goes through.
- **Removing the EA hands the levels back.** Nothing watches a virtual level once JTechnicalX is gone, so removing it, closing the chart or closing MetaTrader first gives the broker the real stops and targets (the **Removing the EA or closing MT5 gives the virtual levels to the broker** input, on by default). Attach it again in a virtual mode and it takes them back. A timeframe change or a recompile does not count as removal. Turn the input off only if you would rather keep the stops hidden, with the safety net as the only protection while MetaTrader is closed.

- **Trades adopted from your phone** keep the stop they came with when JTechnicalX starts; they change only when you change the mode.

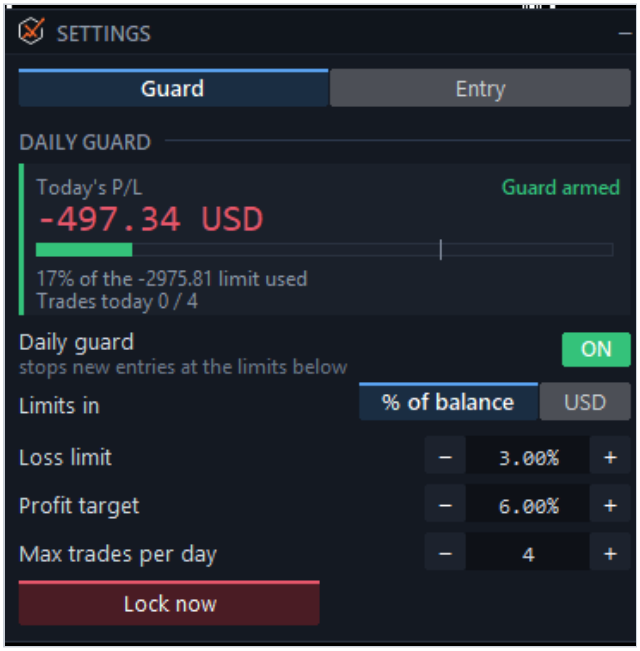
Because the EA holds these levels itself, a spread spike could otherwise close a trade at a price the market never traded. With **Ignore a virtual hit caused by spread alone** on, price has to beat the level by the excess spread before anything closes; a touch that is spread alone is logged as held. The close message carries the spread at the time, so a trade that finished worse than the chart suggests explains itself.

Trailing stop

Under Protection: **Trailing stop** is a switch and, while it is on, the mode, stepped with `< >`: ATR, bar low / high, or a fixed step, all starting at the R multiple you set. For the bar trail a **Bars** stepper sets how many bars it looks back over. The trail moves the stop like a breakeven step, which is why it sits here and only here.

11.8 The Settings card

JTechnicalX's other live settings, in two groups chosen at the top of the card: **Guard** and **Entry**. Everything applies immediately and is remembered per chart. Without the EA the card explains how to attach it and greys its controls.



The Settings card, Guard group.

Guard

- A card with **today's P/L**, whether the guard is armed, locked or off, a bar of how much of the loss limit is used with a mark at 70%, and the trades taken against the cap.
- **Daily guard**: the switch for the whole thing. **Limits in**: percent of the day's starting balance, or account currency.

- **Loss limit**, **Profit target** and **Max trades per day**: steppers, each *off* at zero.
- **Lock now** stops new entries for the day, on a second click. While locked the same button reads **Unlock and reset the day**. The day rolls at the hour you choose.

Entry

EM entries fire on steps through the trigger modes (11.5); **Pull-away distance** is a stepper (it also sets where a Stop order goes, 11.3); **Max spread** is a switch with a stepper while it is on, and shows the spread now. **Dry run** is a switch under Test mode. The trailing stop is on the Partials & breakeven card (11.7).

11.9 Mobile Trade

On the Trade card, after How to enter. Switch **Adopt trades opened on mobile** on and JTechnicalX adopts trades you opened elsewhere, including from your phone: after a short delay it attaches an ATR stop and target, and can then run the ladders and trail on them. **Adopt now** takes over any unmanaged trade immediately. The line under the switch shows how many trades it is managing.

11.10 COT filter and TP2

Two JTechnicalX features use the COT card's reading. Both are **off** until you switch them on, so nothing changes for you by updating. Their controls sit in the **COT filter** fold on the Trade card, after Mobile Trade; it is closed to start with, and its heading says whether entries are checked: the **COT filter** switch, and while it is on **Trade with the COT bias only**, **Require location**, **Require structure**, **Filter timeframe** (H1, H4 or D1, used by both), **When COT is not extreme** (Allow or Block) and **Check build zones**; then **Fund levels as targets** for TP2. They apply at once and are remembered per chart; the EA's COT inputs only set where a new chart starts.

COT filter

With **COT filter** on, every new entry is checked when you arm a model, place a pending order or send a market order. Trades already open are never touched.

Check	Refuses the entry when
COT bias	The bias is an extreme on the other side (a short while COT is a bull extreme). With **also block when COT is not at an extreme** on, it refuses without an extreme too.
Location	A long is not in discount, or a short not in premium, on the filter timeframe (H4 by default). Equilibrium only warns.
Structure	The last break on that timeframe is the other way.
Build zone	Never refuses: it warns when funds built the other way between your entry and your target.

Without COT data the filter lets everything through. A refusal arrives as a message, such as *Blocked: COT: COT bias blocks shorts*, and is logged on the Log card. While the filter is on, the Trade card shows a **COT filters** block under the setup, worked out with the EA's own settings, so you see before you click whether it will go through: **OK**, **NO** or **!** for each check.

TP2 at the funds' entry

With **TP2** on, when a funds' average entry lies beyond your target, the order's take-profit moves out to it, and **TP2: % closed at the panel's target** (50% by default) is closed when price reaches your original target (TP1). The rest runs to the funds' level. The Trade card shows the TP2 level with its distance and R; with TP2 off the same row reads **Next COT level**, for information. TP1 is kept with the trade, so a restart does not lose it, and a +1 leg takes part in it too.

> **Test it on demo first.** The filter and TP2 change which orders go out and how they close. Turn them on on a demo account, watch a few setups through, then decide.

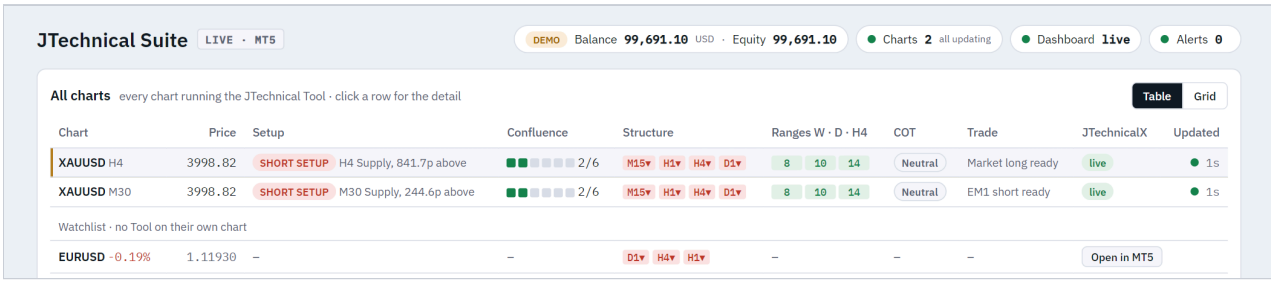
12. Alerts

Alert	Switched by
Approaching or entering a zone, zone broken	Zone: approaching / entered / broken
Trendline touch or break, with the timeframe	Auto trendline: touch / break
New breaker block, first return into one	Alert: new BB + first return
Engulfing candle inside a zone	Engulfing inside zone
Close beyond a breakout barrier	Alert when this symbol closes beyond a barrier
Liquidity swept	Alert when a level is swept
Approach score reached the threshold, EM2 armed by the approach meter	The card's Alert / Arm EM2 buttons
Your own drawings and click levels	My objects / level alerts
Entry model tap, activation and fill	JTechnicalX: alert on tap / activation / fill
Daily guard locked	Always, when the guard is on

Delivery is set by Popup, Sound, Push notification and Email, using MetaTrader's own notification settings. Everything also lands on the Log card.

13. The Suite dashboard

The Suite dashboard shows every chart running the JTechnical Tool in your web browser: on the PC, on a tablet, or on your phone. It reads what each Tool already knows (setup, Confluence, structure, ranges, COT, levels, the trade plan, open trades and the account), and it can send the same actions as the cards' buttons, through the Tool and JTechnicalX with all their checks.



The header and the overview: every chart, then the watchlist.

13.1 What you need

- **The JTechnical Tool 4.00** (3.x works too) on each chart you want on the dashboard, with the input **Write the Suite dashboard feed** on (the default). Keep **JTechnicalX** on the same chart to trade from the dashboard.
- **Node.js** (the LTS version, free from nodejs.org) on the machine that runs MetaTrader. The dashboard runs on the same machine as MT5, because it reads the files the Tool writes there.
- The **Suite Dashboard** folder that comes with this version (`suite-dashboard.mjs`, `suite-dashboard.html` and the start scripts). Run it from there: its page knows Tool 4.00.

13.2 Start it

Double-click **start-suite-dashboard.cmd**. It opens **http://127.0.0.1:8802** in your browser and keeps a window open: that window *is* the dashboard, so leave it running, and close it to stop the dashboard. Charts appear within a few seconds of the Tool being attached; a chart that stops updating is marked, and one you close drops off.

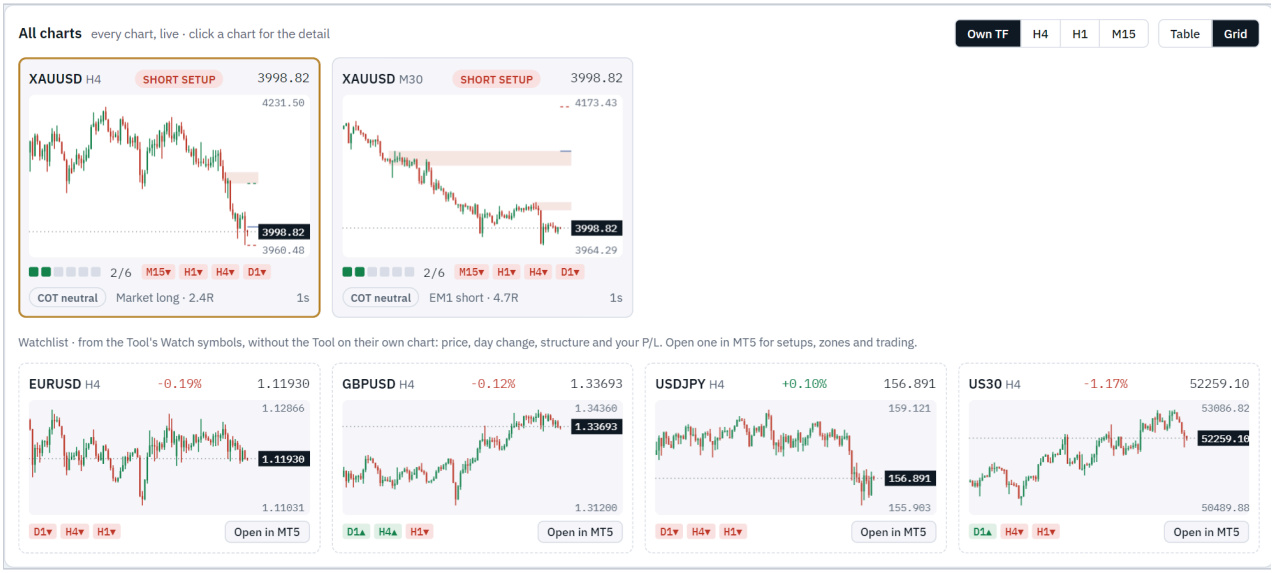
> **One dashboard at a time.** Every start script stops a dashboard that is already running first, so a restart always picks up the new version. **stop-suite-dashboard.cmd** stops them all.

13.3 The page

- **Header**: the account (DEMO or REAL, balance, equity and open P/L; click it for margin, free margin, margin level, leverage and today's P/L), the number of charts, the link status and the alerts.
- **All charts**: one row per chart with its setup, Confluence, structure, dealing ranges, COT, trade and JTechnicalX state. **Table / Grid** switches to small live charts for every pair. The **watchlist** (the Tool's

Watch symbols) follows with price, day change and structure; **Open in MT5** opens that symbol in a new MT5 chart with your **JTechnical** template.

- **The detail** of the chart you click: its chart, levels by distance, setup, trade, structure, COT with the COT Index chart, alerts and the log.



Grid: a small live chart for every chart and watchlist symbol.

13.4 The chart



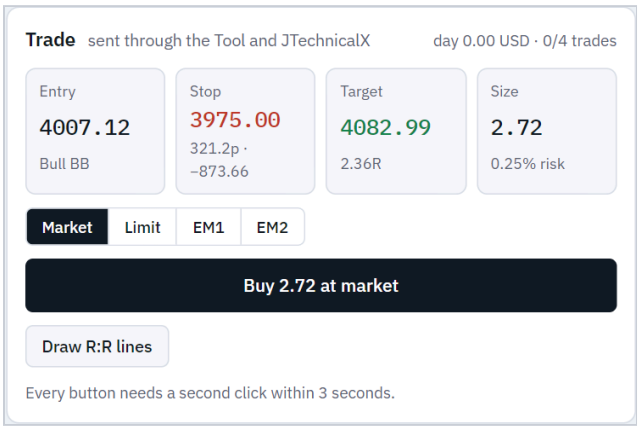
The chart with zones, trendlines, levels and the trade plan with its ladder.

Control	What it does
H4 / H1 / M15	Shows another timeframe; MT5 stays where it is. The chart's own is marked with a dot
W / D / H4 range, OTE	Draws that dealing range (premium, discount, 50%, 25 / 75%, its last break) and the OTE band of 62–79%
Zones, Trendlines, Auto levels, Your levels, Trade plan, Open trades	Switch each layer on or off
− Zoom / Fit / + Zoom	Fewer, wider candles or all of them; the mouse wheel and a pinch do the same
Crosshair	Follows the pointer (a tap on a phone): price, pips from price, R from the plan's entry and the candle time

Control	What it does
Measure	Shift and drag (or Measure, then drag): pips, %, candles, time and R
Rectangle / Ray	Draws a rectangle or a horizontal ray on the MT5 chart as your own drawing
Full screen	The chart card fills the screen; Esc leaves

With actions on, you can also **drag** on this chart: the entry, stop and target lines move the Tool's R:R lines in MT5; the ACT and CXL lines of EM1 / EM2 move the activation and cancel levels; your own levels and boxes move (a box's edge resizes it). Right-click (on a PC) to add a level at that price or delete one of yours. Dragging only moves lines; it never places an order.

13.5 Trading from the dashboard



The Trade card: the plan, the entry type and the order button.

The dashboard's Trade card holds the same plan as the Tool's Trade card: entry, stop, target and size, Market / Limit / EM1 / EM2, and the order button. With Tool 4.00 nothing is picked to start with, so the button reads *Pick Market, Limit, EM1 or EM2* until you choose; Limit from the dashboard is always a limit order. With a position open come Close 50%, SL to BE, +1 / −1 leg and Close all; with orders resting, Cancel pending; with a sequence armed, Disarm.

- **Every action button needs a second click within 3 seconds.**
- Actions go through the **Tool and JTechnicalX**: the daily guard, the size limit, the COT filter and the protection mode still decide. A refused action shows in the chart's log and as an alert.
- The Tool input **Allow actions from the dashboard** keeps a chart read-only when it is off.

13.6 Alerts

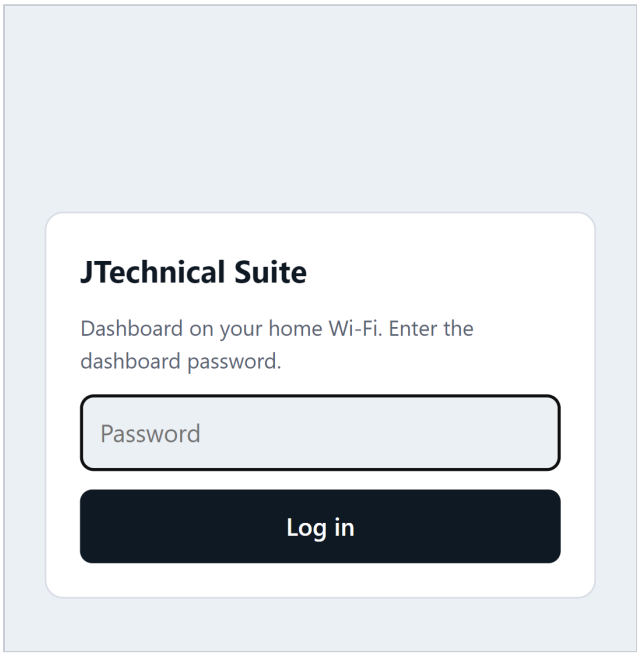
The Alerts card collects, from every chart while the page is open: the Tool's own alerts, a new setup or a higher Confluence score, a trade opened or closed, and a refused action. Each kind has its own switch, with a sound per kind and, optionally, Windows notifications (they pop up while the tab is in the

background). The page's own clicks raise no alerts. These alerts are only for the page; the Tool's MT5 alerts work as before.

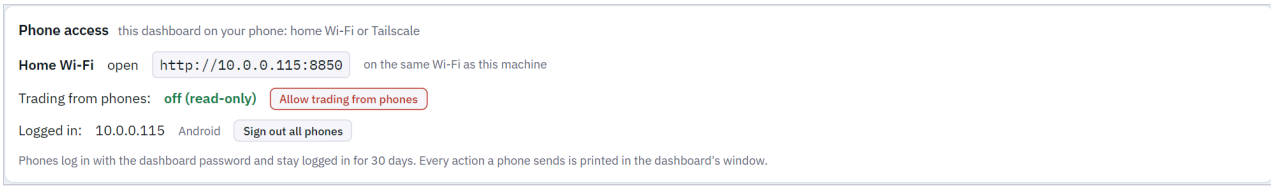
13.7 On your phone, at home (Wi-Fi)

The dashboard can also answer your phone on the same Wi-Fi as the PC. It listens only on the PC's home-network address, asks for a password, and keeps **phones read-only until you allow trading** on the PC.

1. **Set a password**, once: run **set-phone-password.cmd** and type a password of at least 8 characters. It is stored hashed in `dashboard-auth.json` next to the dashboard; never share that file. Setting a new password signs every phone out.
2. **Allow it through Windows Firewall**, once: run **allow-wifi-access.cmd** (it asks for administrator rights). It marks the Wi-Fi network you are on as **Private** (a home network; Windows blocks incoming connections on Public networks) and allows port 8802 from devices on the same local network, on Private networks only, so a café or hotel network stays shut. The command to undo it is at the top of the script.
3. **Start the dashboard with start-suite-dashboard-wifi.cmd** instead of the plain one. Its window, and the **Phone access** card at the bottom of the PC's dashboard, show the address to open on your phone, such as `http://192.168.1.20:8802`.
4. On the phone, open that address and **log in**. The phone stays logged in for 30 days.



The login on the phone.



Phone access on the PC: the address, the trading switch and who is logged in.

Allow trading from phones (two clicks) on the PC's Phone access card lets phones send actions; **Turn off** makes them read-only again. **Sign out all phones** ends every phone's session. Every action a phone sends is printed in the dashboard's window with the phone's address, and after 5 wrong passwords a device is locked out for 10 minutes.

On the phone the page is one column: the chart first, then the cards. Tap the chart for the crosshair, pinch to zoom, drag lines with a finger; **Log out** is in the header. Windows-style notifications need a secure (https) page, so on plain home Wi-Fi the phone gets sounds and the Alerts card; section 13.8 gives https.



The dashboard on a phone.

13.8 From anywhere: Tailscale and a VPS

Tailscale (free for personal use) links your devices in a private, encrypted network, so your phone reaches the dashboard from anywhere, without opening a port on any router. It suits a **VPS** that runs MT5: the dashboard runs there, next to MT5, and only your own devices can reach it.

1. Install **Tailscale** on the VPS, on your PC and on your phone, and log all three in to the same account.
2. Copy the **Suite Dashboard** folder to the VPS and run **setup-vps.cmd** there (it asks for administrator rights). It asks before each step: it checks Node.js (and can install it), keeps Tailscale connected when you log off the VPS, allows the dashboard port from Tailscale addresses only, can copy the Tool into the VPS's MT5 (keeping the old one as a backup), sets the phone password, can switch on https, and can start the dashboard each time you log in.
3. Start it with **start-suite-dashboard-tailscale.cmd**, and re-attach the Tool on the VPS's charts.
4. On the phone, with Tailscale on, open `http://vps-name.your-tailnet.ts.net:8802` (the address the window shows) and log in.

https, for a real certificate and notifications

In the Tailscale admin (login.tailscale.com), **DNS**, turn on **HTTPS Certificates**. Then, once, in a Command Prompt on the VPS:

```
"C:\Program Files\Tailscale\tailscale.exe" serve --bg 8803
```

The dashboard is then also at `https://vps-name.your-tailnet.ts.net`, inside your Tailscale network only. If it says access denied, run the Command Prompt as administrator. `... serve status` shows it, `... serve reset` turns it off. Never use Tailscale **Funnel**: it would publish the dashboard to the internet.

Lock Remote Desktop to Tailscale (recommended)

Once Remote Desktop to the VPS works over Tailscale (connect to the VPS's Tailscale name), run **lock-rdp-to-tailscale.cmd** on the VPS: Remote Desktop then answers only your Tailscale devices, and bots on the internet can no longer try passwords on it. Afterwards, connect with Remote Desktop to the VPS's **Tailscale name** (for example `mt5vps`), with the same Windows username and password as before. Keep your VPS provider's web console as the way back in if Tailscale ever stops.

> **Tailscale admin checklist.** Turn on two-factor authentication for the account you sign in to Tailscale with; turn on **Device approval** (Settings), so a new device needs your OK; and **disable key expiry** for the VPS only (Machines), so it never drops off your network.

13.9 If something is wrong

What you see	Why, and what to do
No charts on the dashboard	Attach the Tool (or re-attach it) with **Write the Suite dashboard feed** on.
Unknown action after an update	An older dashboard is still running with its old code. Start the dashboard again with a start script (it stops the old one), or run stop-suite-dashboard.cmd first.
Port 8802 is already in use in the window	Another dashboard is running: run stop-suite-dashboard.cmd, then start it again.
The page asks you to reload	The dashboard was restarted; each start uses a new security key. Reload the page.
The phone cannot reach it at home	Same Wi-Fi as the PC? allow-wifi-access.cmd run? Dashboard started with start-suite-dashboard-wifi.cmd? A password set?
Buttons are greyed on the phone	Trading from phones is off: switch it on in the PC's Phone access card.
A new feature does not show	The Tool on that chart is an older build: copy the new JTechnical_Tool.ex5 into MT5's MQL5\Indicators (File, Open Data Folder), then remove and re-attach the Tool.

14. Input reference

14.1 What a pip means

Every setting given in pips, on the panel or in the inputs (pull-away trigger, spread limit, safety net, BE offset, trail step, leg spacing, stop buffer), is measured in one pip of the chart's symbol:

Symbol	One pip
FX pairs	0.0001, or 0.01 on yen pairs
Gold (XAU..., GOLD)	0.10
Silver (XAG..., SILVER)	0.01
Indices, crypto, anything priced at 1,000 or more	1.0 of price
Other CFDs (oil and the like)	the FX rule on the quote's digits

JTechnicalX has a **Pip size in price** input to override the rule (0 works it out). While the engine is running the cards use the engine's value, so the pips you see on the cards are the pips the engine trades.

> **Coming from Tool 2.40 / X 2.05 or earlier?** A pip on gold, indices and crypto used to be the smallest price step (0.01 on 2-digit gold). The same numbers now mean a larger distance, so check your pip settings on those symbols. FX is unchanged.

14.2 JTechnical Tool

Licence

Setting (as shown in MT5)	Default
Licence key (leave empty for the trial)	(empty)
Demo accounts run without a key	On

Supply / Demand Zones

Setting (as shown in MT5)	Default
Enable auto zones	On
Layer 1 timeframe	Current chart
Enable Layer 2 (HTF)	On
Layer 2 timeframe	H4

Setting (as shown in MT5)	Default
Bars scanned per layer	500
Zone origin	Base candles (RBR/DBR/DBD/RBD)
Max base candles / OB search depth	3
Base candle: body <= % of range	50.0
Impulse: body >= x ATR	1.5
ATR period	14
Require FVG after impulse	Off
Proximal line uses wicks (not bodies)	Off
Zone invalidation	Candle close beyond distal
Remove zone after N retests (0 = never)	3
Active zones per side, per layer	4
Keep broken zones (grey outline)	On
Broken zones kept per side, per layer	2
Min zone height, pips (0 = off)	0.0
Max zone height, pips (0 = off)	0.0
Extend active zones N bars right	15
Hide zone layers from timeframes below the chart	On

Zone Style

Setting (as shown in MT5)	Default
Zone look	Clean: soft fill, thin outline, proximal + 50% lines
Clean: demand color	RGB 52, 194, 122
Clean: supply color	RGB 229, 86, 106
Clean: Layer 2 outline	RGB 128, 136, 150
Clean: Layer 1 fill opacity %	14
Clean: Layer 2 fill opacity %	7
Clean: outline opacity %	55

Setting (as shown in MT5)	Default
Clean: solid line on the proximal edge	On
Clean: dashed 50% line	On

Zone Colors (Classic look)

Setting (as shown in MT5)	Default
Layer 1 demand fill	RGB 22, 92, 62
Layer 1 supply fill	RGB 112, 32, 44
Layer 2 demand border	Lime Green
Layer 2 supply border	Tomato
Fill Layer 2 zones	Off
Broken zone color	Dim Gray
Zone label color	Silver
Label font size	8

Auto Trendlines (multi-timeframe)

Setting (as shown in MT5)	Default
Enable auto trendlines	On
Lines from the chart timeframe (panel chip: Chart)	On
Lines from W1 (panel chip)	Off
Lines from D1 (panel chip)	Off
Lines from H4 (panel chip)	Off
Lines from H1 (panel chip)	Off
Skip line timeframes below the chart	On
Pivot strength (bars each side)	5
Bars scanned	300
Lines per side	2
Touch / break tolerance, pips	2.0
Keep broken lines (dotted)	Off
Support line color	Dodger Blue

Setting (as shown in MT5)	Default
Resistance line color	Orange
Line width (chart timeframe)	2
Line width (W1 / D1 / H4 / H1)	3

Manual Object Manager

Setting (as shown in MT5)	Default
Manage my rectangles / lines	On
Only names containing (empty = all)	(empty)
Extend my rectangles / trendlines right	On
My rectangles count as POIs (Trade page, R:R, EM1 / EM2)	On
Size/price labels on my objects	On
"Clear" button also deletes my hand-drawn objects	On

Candle OHLC Levels (click candle, press O/H/L/C/M)

Setting (as shown in MT5)	Default
Enable click-candle levels	On
Candle selection click	Plain click
Disable MT5 quick-navigation typing box	On
Selected candle highlight	RGB 242, 209, 75
Open level	Gold
High level	Deep Sky Blue
Low level	Hot Pink
Close level	White
Midpoint (50%) level	Medium Purple
Level line style	STYLE_DASH
Level line width	1
Level label size	9
Show my levels / boxes on	Origin timeframe and lower
Alert on level touch / cross / OB entry & break	On

Setting (as shown in MT5)	Default
Click-OB: bullish (demand) fill	RGB 24, 70, 110
Click-OB: bearish (supply) fill	RGB 110, 60, 20
Click-OB: filled box	On
Click-OB: body only (false = full wick range)	Off
Click-OB: turn into breaker block when broken	On
Click-OB/FVG: 50% line (mean threshold / CE)	On
Click-OB/FVG: keep after break/fill (grey), else delete	On
Click-FVG: bullish fill	RGB 30, 85, 85
Click-FVG: bearish fill	RGB 95, 40, 90
Click-FVG: filled when wick / close passes far edge	BRK_WICK

Auto ICT Breaker Blocks (chart timeframe)

Setting (as shown in MT5)	Default
Enable breaker blocks (click one + K to extend)	On
OB displacement candle body >= x ATR	0.5
Bars scanned	500
Breaker blocks shown	6
Show invalidated breaker blocks	Off
Bullish BB fill	RGB 20, 80, 45
Bearish BB fill	RGB 100, 30, 35
Alert: new BB + first return into untested BB	On
Delete levels when indicator is removed	Off

H4 Candle Hours (digit keys / panel chips)

Setting (as shown in MT5)	Default
Enable H4 candle-hour highlights	On
Days highlighted	10
First press (e.g. 01:00)	RGB 227, 165, 60
Second press (e.g. 13:00)	RGB 90, 162, 240

Setting (as shown in MT5)	Default
Fill opacity %	22

Breakout Barriers (panel chips: W1 / D1 / H4 / H1)

Setting (as shown in MT5)	Default
Enable breakout barriers	On
Barriers from W1	Off
Barriers from D1	On
Barriers from H4	On
Barriers from H1	Off
Bars scanned per timeframe	400
Resistance (BUY above)	Orange Red
Support (SELL below)	Dodger Blue
Line width	1
Alert when this symbol closes beyond a barrier	On

Kill Zones (New York time)

Setting (as shown in MT5)	Default
Show kill zones (charts H1 and below)	On
Server time minus New York time, hours	7
Days shown	5
Asia (empty = off)	20:00-00:00
London (empty = off)	02:00-05:00
New York AM (empty = off)	07:00-10:00
New York PM (empty = off)	13:30-16:00
Asia color	RGB 96, 110, 200
London color	RGB 60, 160, 200
New York AM color	RGB 227, 165, 60
New York PM color	RGB 178, 122, 216
Fill opacity %	14

Liquidity

Setting (as shown in MT5)	Default
Show liquidity marks	On
Previous day high / low	On
Previous week high / low	On
Equal highs / lows (chart timeframe)	On
Equal: max difference, pips	1.5
Equal: bars scanned	300
Equal: marks per side	3
Resting liquidity color	RGB 200, 204, 214
Swept liquidity color	Dim Gray
Alert when a level is swept	On

Premium / Discount

Setting (as shown in MT5)	Default
Show the dealing range	On
Dealing range timeframe	H4
Swing strength	3
Premium color	RGB 229, 86, 106
Discount color	RGB 52, 194, 122
Equilibrium (50%) line	RGB 227, 165, 60
Fill opacity %	7
Weekly (W1) range on at start (the W chip on the Chart tab)	Off
Daily (D1) range on at start (the D chip on the Chart tab)	Off
Main-timeframe range on at start (its chip on the Chart tab)	On

COT (Commitments of Traders)

Setting (as shown in MT5)	Default
COT tab, chip and chart levels (data: JTechnicalX or the JTechnical_COT script)	On
COT market override: GOLD, EUR, EUR/JPY ... (empty = from the symbol)	(empty)

Setting (as shown in MT5)	Default
COT Index lookback, weeks (26, 52 or 156)	52
Extreme at (index at or above this, or at or below 100 - this)	90
Chart: funds' average entry lines on at start (switch on the Chart tab)	On
Chart: funds' build zones on at start (switch on the Chart tab)	On
Chart: build zones drawn (the nearest to price)	3
Chart: build zone fill opacity %	6
Funds' long entry and buying zones	RGB 52, 194, 122
Funds' short entry and selling zones	RGB 229, 86, 106

Engulfing Inside Zones

Setting (as shown in MT5)	Default
Detect engulfing inside zones	On
Bullish arrow	Lime
Bearish arrow	Red

Alerts

Setting (as shown in MT5)	Default
"Approaching" distance, pips	5.0
Zone: approaching	On
Zone: price entered	On
Zone: broken (bar close)	On
Auto trendline: touch	On
Auto trendline: break (bar close)	On
Engulfing inside zone	On
My objects: approach/enter/touch/cross	On
Popup	On
Sound	Off
Sound file	alert.wav
Push notification	Off

Setting (as shown in MT5)	Default
Email	Off

Support / Resistance keys (A / V)

Setting (as shown in MT5)	Default
A = resistance (body top: open/close)	Red
V = support (body bottom: open/close)	Lime Green
A / V line width	2

Color Palette (panel swatches)

Setting (as shown in MT5)	Default
Show color palette	On
Swatch 1	Red
Swatch 2	Blue
Swatch 3	Green
Swatch 4	Orange
Swatch 5	Gray
Swatch 6	White
Swatch 7	Purple
Opacity % (blended with chart background)	50
Default: boxes filled (toggle with Fill/Line button)	On

History

Setting (as shown in MT5)	Default
Show auto objects formed in the last N chart bars (0 = all)	300
Keep older zones / blocks that are still valid	On
Engulfing arrow size (1 = smallest)	1

Dashboard

Setting (as shown in MT5)	Default
Show dashboard	On

Setting (as shown in MT5)	Default
Position (bottom-left avoids MTF Dash panels)	Bottom left
X offset (drag the panel to change it)	10
Y offset (drag the panel to change it)	20
Drag the panel by its header	On
Messages: in the panel, or on the chart	In the panel, under the page
Messages: how long they stay, seconds	8
Width	380
Card width (300 - 520)	380
Cards snap to the chart's edges and to each other	On
Show the TraderXsoft mark in the header	On
Near page: rows	8
Font size	9
Background	RGB 20, 25, 34
Text	RGB 215, 220, 228
Accent (title, active tab, strip)	RGB 227, 165, 60

Dashboard Pages

Setting (as shown in MT5)	Default
Page: POI (off-screen + HTF context)	On
Page: Trade (entry / stop / RR / lots)	On
Page: Log (last 10 alerts)	On
Page: COT (positioning, fund entries, build zones, W1/D1/H4 ranges)	On
Trade page: execution selector + action button (needs JTechnicalX EA)	On
Trade page: trade management buttons (needs JTechnicalX EA)	On
Trade page: Mobile Smart Trade row	On
Entry models: activation line, R from entry (toward target)	0.70
Entry models: cancel line, R from entry (move left without you)	1.50

Setting (as shown in MT5)	Default
Entry models: activation line	RGB 200, 204, 214
Entry models: cancel line	RGB 229, 86, 106
Watchlist symbols (click a row to switch)	EURUSD,GBPUSD,USDJPY,XAUUSD,US30
Watchlist: symbols you are in come first	On
Dashboard "Open in MT5": template with the Tool (Charts > Template > Save)	JTechnical
Management: first partial close, % of the position	50.0
Management: second partial close, %	25.0
Size row: risk % step per click	0.25
Size row: lot steps per click (broker lot step x this)	1.0
Structure page: timeframes	M15,H1,H4,D1
Structure page: swing strength	3
Trade page: stop buffer beyond the POI	2.0
Trade page: show open positions	On
Trade page: symbol rows shown	5

Approach Meter (nearest zone above / below)

Setting (as shown in MT5)	Default
Show the approach meter on the nearest zones	On
Score a zone once price is within x ATR of it	1.5
Alert / EM2 threshold (score out of 100)	60
Alert at the threshold (default; the card's button toggles it)	On
Arm EM2 at the threshold (default; needs JTechnicalX)	Off
Bars searched for the start of the move into the zone	60
A leg this many ATR long counts as stretched	5.0
Also put the meter on the rectangles you draw (nearest above / below)	On

Suite dashboard

Setting (as shown in MT5)	Default
Write the Suite dashboard feed (Common\Files\JTS)	On
Allow actions from the dashboard (orders and management via JTechnicalX)	On

Risk:Reward Tool

Setting (as shown in MT5)	Default
Default SL distance, pips	20.0
R:R: shade the risk and reward as blocks	On
R:R: blocks, bars back (0 = the current bar)	0
R:R: blocks, bars forward	80
R:R: block fill opacity %	26
R:R and open trades: show JTechnicalX's partial / breakeven ladder	On
Tool lines, zones and their labels behind the panel and the candles (off: on top)	On
Default reward multiple	2.0
Risk % of balance for lot calc	1.0
Entry line	Silver
SL line	Red
TP line	Lime

14.3 JTechnicalX

Licence

Setting (as shown in MT5)	Default
Licence key (leave empty for the trial)	(empty)
Demo accounts run without a key	On

Orders

Setting (as shown in MT5)	Default
Magic number	770200
Order comment	JTX

Setting (as shown in MT5)	Default
Refuse orders larger than this (lots)	5.0
Pending order expiry, hours (0 = good till cancelled)	0
Market order slippage, points	20
Pip size in price (0 = work it out for the symbol)	0

Position laddering (legs)

Setting (as shown in MT5)	Default
Legs to enter when the setup triggers	1
Risk % applies to	Total risk %, split evenly across the legs
Space extra pending legs N pips apart (0 = same price)	0.0
Ceiling for the panel's +/- buttons	10

Entry trigger

Setting (as shown in MT5)	Default
How a triggered setup is entered	Market as soon as price pulls away
"Pull away" distance beyond the entry, pips	2.0
Dry run: run everything, place no orders	Off
Dry run: a fill opens a paper trade the ladders run on	On
Replay: take prices from the candles when the quote is stuck	On
Max spread to enter on, pips (0 = off)	0.0
A wide spread holds the setup instead of dropping it	On

Entry models

Setting (as shown in MT5)	Default
Activation line, R from entry (used when the panel sends none)	0.70
Cancel line, R from entry - the move went without you	1.50
Disarm if nothing happens within N bars	40
Alert on tap / activation / fill	On

Setting (as shown in MT5)	Default
Shade risk and reward as soft blocks	On
Blocks start this many bars back (0 = the current bar, like the R:R tool)	0
Blocks reach this many bars forward	80
Block fill opacity %	26

Management

Setting (as shown in MT5)	Default
Manage only trades this EA placed	Off
"SL to BE" offset beyond entry, pips	1.0
Partial 1: at R	1.0
Partial 1: % closed	50.0
Partial 2: at R	2.0
Partial 2: % closed	25.0
Partial 3: at R	3.0
Partial 3: % closed	25.0
Partial 4: at R	4.0
Partial 4: % closed (0 = off)	0.0
Partials are % of the initial size (else what is left)	On
Breakeven 1: at R	1.0
Breakeven 1: lock R	0.2
Breakeven 2: at R	2.0
Breakeven 2: lock R	1.0
Breakeven 3: at R (0 = off)	0.0
Breakeven 3: lock R	2.0
Breakeven 4: at R (0 = off)	0.0
Breakeven 4: lock R	3.0

Trail

Setting (as shown in MT5)	Default
Trail mode	Off
Start trailing at R	1.0
ATR multiple	1.5
Bars for the bar low / high trail	3
Step size, pips	10.0

Protection

Setting (as shown in MT5)	Default
Protection held by	Real SL and TP on the server
Real disaster stop beyond the virtual SL, pips (0 = none)	50.0
Virtual level lines	Medium Orchid
Ignore a virtual hit caused by spread alone	On
Normal spread for that test, pips (0 = use the max spread)	0.0
Removing the EA or closing MT5 gives the virtual levels to the broker	On

Daily guard

Setting (as shown in MT5)	Default
Daily guard on	On
Limits are in	% of the day's starting balance
Daily loss cap (0 = off)	3.0
Daily profit target (0 = off)	6.0
Entries per day (0 = off)	4
Day resets at this server hour	0

COT (Commitments of Traders)

Setting (as shown in MT5)	Default
Download the COT report each Friday (allow https://publicreporting.cftc.gov in WebRequest)	On

Setting (as shown in MT5)	Default
COT market override: GOLD, EUR, EUR/JPY ... (empty = from the symbol)	(empty)
COT Index lookback, weeks	52
Extreme at (index at or above this, or at or below 100 - this)	90
COT filter: check every new entry (off = trade exactly as before)	Off
Filter: trade with the COT bias only (the other side is blocked at an extreme)	On
Filter: also block when COT is not at an extreme	Off
Filter: longs from discount, shorts from premium	On
Filter: the last break must agree with the trade	On
Filter: timeframe for location and structure	H4
Filter: swing strength	3
Filter: warn about an opposing build zone before the target	On
TP2: target the funds' average entry beyond the panel's target	Off
TP2: % closed at the panel's target (TP1)	50.0

Mobile Smart Trade

Setting (as shown in MT5)	Default
Adopt trades opened outside this EA	Off
Only magic 0 (phone / hand-placed)	On
Wait N seconds before adopting	5
Attach a stop loss	On
Attach a take profit	On
ATR multiple for the stop	1.5
ATR multiple for the target	3.0
Run the ladders and trail on adopted trades	On

> **Card controls vs inputs:** the switches and steppers on the cards all change live values that are remembered per chart. The inputs are the starting point; change an input and it takes over again for that chart.

15. Keyboard and mouse

Action	Result
Click a candle	Selects it and shows the key strip
Shift + click	Extends the selection to a range
O H L C M, A V, B F K	Draw from the selection
X / Esc	Clear the selection's marks / deselect
0 - 9	H4 candle hours
Drag a card's title bar, or the watchlist's	Moves it; it snaps to the chart's edges and to the other cards
Drop a card on the tray, or click its dash	Folds it away
Click a card	Brings it to the front
Click a chip in the tray	Opens or folds that card, or the watchlist
Layout / Save layout in the tray	Chooses a layout, or saves the cards as My layout 1, 2 or 3
Drag an activation, cancel, entry, stop or target line	Moves that level
Click a watchlist row	Switches the chart to that symbol
Click a timeframe tile on the Chart card	Switches the chart to that timeframe
Click a row on the COT card	Shows that average entry or build zone on the chart
Click On / Off beside a dealing range	Shows or hides that range on the chart
Click a Confluence check	Shows why it reads that way
Click a fold heading	Opens or folds that section
Click the lots value on the Trade card	Goes back to sizing from the risk
Click the order button twice	Sends the order or arms the model

16. Troubleshooting

Problem	What to do
The chart says *allow WebRequest for https://app.traderxsoft.com/check*.	Add that URL under **Tools > Options > Expert Advisors**, **Allow WebRequest for listed URL** (section 2.1). The licence checks again within a few minutes, or re-attach the program.
The Tool says *allow DLL imports for this indicator*.	Open the Tool's settings (right-click the chart, Indicators List, Edit) and tick **Allow DLL imports**, or tick it under **Tools > Options > Expert Advisors** and attach the Tool again.
The chart says *activation server unreachable*.	No internet connection, or the licence server is down. A licence that checked in during the last 3 days keeps running meanwhile.
The chart says *activation refused*.	The server gives the reason, such as *not registered* (the key is for another account: move it on the activation page) or *licence expired*. Contact support if it looks wrong.
A letter opens MT5's symbol box.	Turn on **Disable MT5 quick-navigation typing box**, and click the chart first so it has focus.
No zones on the chart.	Check the zone count on the Chart card, then raise the fill and outline opacity, and check Chart on foreground is off.
Kill zones sit in the wrong place.	Adjust **Server time minus New York time**, and check again after daylight-saving changes.
The Trade card says the EA is not attached.	Attach JTechnicalX to the same chart, allow algo trading, and check the licence line in the Experts tab. The status bar reads *EA live* once it is running.
A pip setting on gold or an index seems ten or a hundred times too big.	Pips there changed in Tool 2.41 / X 2.07; see section 14.1, or set Pip size in price on JTechnicalX.
An order is refused.	Read the status bar or the Log card: usually algo trading off, the size cap, the daily guard, or an entry too close to price.
A button reads Click again.	It is one of the two-click buttons. Click again within three seconds, or leave it and it resets.
A card is not where I left it.	Cards are kept on the chart and above the tray: a smaller chart, or a card that grew taller, moves it back inside. Each symbol and timeframe also keeps its own arrangement.
A line will not stay selected.	MT5 needs **Select objects by single mouse click** on, otherwise double-click to select.
The chart says *a licence key is needed for live account ….*	Live accounts need a key: buy a licence, or start a free trial on the site, which issues a key for your account.

Problem	What to do
The card text looks cramped.	Windows display scaling changes MT5 text size; adjust **Font size** and **Card width** (a Tool already on the chart keeps its old width until you change the input or attach it again).
The COT card says *No COT data yet*.	Allow WebRequest for `https://publicreporting.cftc.gov` (section 2.1) and attach JTechnicalX, or run the JTechnical_COT script. The Log shows *COT updated* once it has the data.
The COT card says there is no COT market for the symbol.	Set **COT market override**, for example `GOLD` or `EUR/JPY`.
The COT report is more than ten days old.	Run the JTechnical_COT script. If it stays old, the CFTC delayed the release, which happens in holiday weeks.
The script says the COT file is open in another program.	Close `cot_data.csv` in Excel and run it again.
Zones, trendlines or labels are gone after changing timeframe or symbol.	They start off on every load so the chart opens clean. Click **Zones**, **Trend** or **Labels** in the chart toggles, bottom right.
The panel, its rail or its tabs are gone.	Since 4.00 each part is a card: open them from the tray, bottom left. Shot and Save diagnostics are in the status bar, bottom right.
There is no order button under How to enter.	Nothing is picked when the Tool loads: choose EM1 or EM2, or open *Place an order now* and choose Market, Stop or Limit.
The order button is grey and says the price is already past.	A stop or limit cannot sit on that side of price (11.3). Pick Market or the other kind, or wait for price to come back.
Size and How to enter are missing on a replay chart.	Use Tool 4.00: on a JReplay (*.rp*) symbol it reads the lot size from the real symbol behind it. That symbol must be in Market Watch.
An armed setup ended after I changed the chart's symbol.	JTechnicalX 4.00 ends an armed setup and a paper trade when its chart moves to another symbol, so the old symbol's prices are never used on the new one. Arm it again on the symbol you want.
Confluence says *no zone near price*.	It reads the zones the approach meter scores: check that zones are on and the **Show the approach meter** input is on. The meter itself can be hidden on the Chart card; the scoring goes on.
Lines and zones sit behind the candles.	The Tool draws them in the background so they pass under the cards. Turn off **Tool lines, zones and their labels behind the panel and the candles** to bring them forward.
+ Partial or + BE step is grey.	All four of that kind are in use. Take one away with −, or edit one of the four.
A fourth partial or a third breakeven step does nothing.	The engine is JTechnicalX 2.13, which has three and two. Use JTechnicalX 4.00.

Problem	What to do
A kill zone is missing.	Check its chip on the Chart card; a grey chip with a tooltip saying it is off has an empty time in the inputs.
A *Virtual SL hit but the close failed* alert.	Read the reason in the alert: usually AutoTrading is off, or the market is shut. JTechnicalX keeps trying on every tick; switch AutoTrading on, or close the trade by hand.
The Trade card says the EA's COT inputs differ from the Tool's.	Set the same lookback, extreme and market override on both, so the Trade card's check matches the EA's decision.

17. Version history

Version	Changes
Tool 4.00	Workspace cards in place of the panel: Chart (the status card and the Chart page together), Confluence, Dealing ranges, Levels, COT, Trade, Partials & breakeven, Log, Settings and Keyboard, dragged by their title bars, snapping to the chart's edges and to each other, folding to a tray, opening into free space and kept per symbol and timeframe; a Layout menu (Default, Scalp, Analyse, Manage) and three saved layouts of your own for every chart; chart toggles and a status bar (EA state, message, Save diagnostics, Shot) along the bottom; the watchlist with a card's title bar, snapping and folding like a card. The Trade card opens with a status line, a step rail, Today and chips, and lists the Sequence in dry run; How to enter is EM1 / EM2, then Market, Stop and Limit in a fold, with nothing picked on load and a stop or limit on the wrong side of price refused; Close Profit and Close Loss; Mobile Trade on the Trade card and its COT filter folded by default; the trailing stop only on the Partials & breakeven card, with Bars; Settings in two groups. Lot sizes on JReplay symbols from the real symbol. Grey for everything off or not picked; notes and banners wrap; labels shorten to their room; value boxes fit their text. Setting echoes kept out of the Log. Countdowns read closed while the market is shut. Lines from another symbol are ignored.
X 4.00	Close Profit and Close Loss (positions in profit, or at a loss, swap counted). An armed setup and a paper trade end when the chart moves to another symbol. Lot sizes on JReplay symbols from the real symbol.
Tool 3.00	New panel: a side rail (Chart, Levels, COT, Watch, Trade, Log, Settings, Shot, Keys) in place of the tab row and the footer buttons; a setup line with six Confluence checks and a meter; the W1 / D1 / H4 dealing ranges in the status card with an On switch each (moved from the COT tab, shown with or without COT); Confluence and Dealing ranges fold, and fold away on the Trade page; partials, breakeven and protection on the Trade page with − / + Partial and − / + BE step, up to four of each; kill zones switched per session; the Chart page without the Labels, Premium / discount and Keys rows; Settings in three groups; Tool lines, zones and labels drawn behind the panel (new input, on by default); choices sized to their text; blank level names and overlapping range text fixed.
X 3.00	Four partials and four breakeven steps (new inputs, off by default), with trade records from 2.x read as before.
Tool 2.50	The R:R lines survive a timeframe or symbol change. Panel rows no longer leave a stray line where a value belongs. The R:R ladder: with JTechnicalX attached, the R:R tool and open trades show the partial-close and breakeven ladder in R, share and money, with the whole plan, the next level, the stop as it is now and a live Now line with banked and worst-case figures.
X 2.13	A breakeven lock at or past the price waits until price clears it instead of putting the stop on the wrong side (which closed a virtual trade at once).

Version	Changes
X 2.12	Virtual protection: the broker's stop and target follow the mode for open trades and pending orders, also after a restart or an input change; a pending order filled under another mode gets the right stop; a refused level stays virtual and watched; a failed virtual close alerts and retries; removing the EA or closing MetaTrader hands the real levels to the broker (new input, on by default); a trade without a stop gets no safety net; a new leg on a netting account updates the virtual stop.
Tool 2.49 / X 2.11	Breaks of structure count a candle that finished while the market is shut, so Friday's daily break shows at the weekend (structure tiles, COT ranges, the COT filter and the COT dashboard feed). COT Index chart on the COT tab. Zones, Trend and Labels start off on every load.
Tool 2.48 / X 2.10	COT tab: COT Index per group, bias, the funds' estimated average entries and build zones, and the weekly, daily and H4 dealing ranges with a premium / discount gauge and the last break. COT chip in the status card; funds' entries and build zones on the chart. Weekly and daily dealing ranges drawn like the H4 one, picked with W · D · H4 chips. The status card's timeframe tiles switch the chart. The header keeps room for the price. JTechnicalX downloads the COT report weekly, with an optional COT filter on new entries and an optional TP2 at the funds' average entry; the JTechnical_COT script for Tool-only use.
Tool 2.47	The TraderXsoft mark in the panel header, left of the title, with a **Show the TraderXsoft mark in the header** input to turn it off. The mark shows on the collapsed strip too.
X 2.09	The EM1 / EM2 risk and reward blocks match the R:R tool: they start at the current bar, reach 80 bars forward, use its colours, and move with each new bar. Price labels on the entry, stop, target, activation and cancel lines, as on the R:R tool. The cancel line counts once price has been on the entry side of it, so arming with price beyond it no longer drops the setup at once. EM1 now waits for the return to the entry after the activation close instead of filling on that close. Dragged activation / cancel lines are kept if the EA refuses the arm, and the panel warns before sending more lots than the EA allows. The approach meter steps left of price labels it would sit under. Fairer approach checks: a short leg and nothing to sweep are neutral, and only closes past the zone's 50% line count against; the meter shows the for / against tally. Zone and liquidity labels hide while the panel covers them. The meter also goes on the rectangles you draw. Tabs in a new order: Chart, POI, Settings, Trade, Log.
Tool 2.46	Lighter on the chart: the panel keeps track of what it has drawn instead of asking the chart each time, and your drawings and levels are rescanned once a second. The panel, and any other indicator panel on the same chart, drag smoothly again.
Tool 2.45	The Chart tab opens with **Confluence** and a count of the layers that are on, grouped into Structure and Sessions and levels. A **Zone meter** switch, on by default and remembered per chart. Labels on the chart moved to My drawings.

Version	Changes
Tool 2.44	Approach meter on the nearest zones: a score out of 100 from seven signs of exhaustion, a card with the reasons, an alert and an optional EM2 arm at the threshold. A tab taller than the chart scrolls with Up / Down buttons. The Struct tab is gone: the header already shows each timeframe's bias, and the dealing range moved to the Chart tab.
Tool 2.43	Rows in Levels by distance are clickable: the chart jumps to the level and flashes it.
Tool 2.42 / X 2.08	Every trade on the symbol shown with its result at the top of the Trade tab, hand and phone trades included; Screenshot button in the footer; JTrader Copier status row.
Tool 2.41 / X 2.07	Pip size fitted to metals, indices and crypto, with a Pip size input on the engine; the panel follows the engine's pip.
X 2.06	Bug fixes: every leg recorded with its virtual stop and R; trade records kept across restarts; adoption keeps to its filters; panel buttons leave other EAs' trades alone; pending entries count toward the trade cap; day count and lock survive a restart; day P/L excludes deposits; stop-order trigger falls back to market when price is already past it; 50% close on a minimum-lot trade no longer closes all of it.
Tool 2.40 / X 2.05	Panel rebuilt to match JTraderX: status card in plain words, five quick toggles, levels by distance on the POI tab, dealing-range gauge, Trade tab in numbered steps with steppers and switches, new Chart tab, Edit card replaced by a grouped Settings tab, two-click Close all and Lock now, log filter, footer with the engine state. The panel keeps its header on screen, and the watchlist stays in front of the key strip.
Tool 2.30 / X 2.00	Risk and reward drawn as soft blocks in the indicator and both EAs.
Tool 2.25	Messages moved into a strip at the foot of the panel.
Tool 2.22 / 2.23	Trail on-off switch; partial and breakeven switches show their state.
Tool 2.19	Activation and cancel lines moved to the profit side, measured in R, with the same pills as SL and TP.
Tool 2.18 / X 1.80	Drawn rectangles count as POIs; virtual levels guarded against spread-only hits.
Tool 2.17 / X 1.70	Spread filter on entries, shown on the Trade tab.
Tool 2.16 / X 1.60	Entry trigger modes with the pull-away distance, and a dry-run switch.
Tool 2.15 / X 1.50	Licence protection in both products, with per-account keys, a trial and optional online activation.
Tool 2.14 / X 1.40	Position laddering: legs row, split or full risk per leg, +1 / -1 leg.
Tool 2.13 / X 1.30	Protection reworked to real / virtual SL / virtual SL+TP with a safety stop; daily guard on-off.
Tool 2.12	Watchlist rows fully clickable; drag reworked to move objects rather than redraw.

Version	Changes
Tool 2.05 / X 1.20	Activation and cancel lines, draggable before and after arming.
Tool 2.02	Watchlist window, breakout barriers per timeframe with alerts.
Tool 2.00 / X 1.00	JTechnicalX engine; Near and Scan pages dropped; Edit card; execution selector; cash amounts.
Tool 1.66	Draggable panel.
Tool 1.60	MTF trendlines, H4 candle hours, kill zones, liquidity, premium / discount, alert log.
Tool 1.50	Rail panel redesign.