



TRADERSUITE · PROFESSIONAL INDICATOR SERIES

Market Structure Pro

The complete user guide — smart-money structure at two degrees, BOS and CHoCH labelled live, order blocks, liquidity and premium/discount, over support & resistance that only breaks when volume says so.

v1.0.0

tradersuite.online

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How to read this guide

Sections 1–8 explain what you see on the chart and why. Section 9 is a full reference for every setting. Keep it open beside a chart on your instrument — each visual mirrors what the indicator draws.

What this indicator does

Market Structure Pro reads price the way smart-money traders do: it tracks the structure of the market at two independent degrees and labels every break of structure (BOS) and change of character (CHoCH) live on the chart. Around that structural read it layers the zones institutions leave behind — order blocks, fair value gaps, equal highs and lows, premium and discount — plus support & resistance levels whose breaks only count when volume confirms them. Because every layer is derived from the same structural read, they stay internally consistent instead of contradicting each other.

Structure at two degrees

Internal (short-term) and swing (larger) structure are tracked simultaneously and independently. Internal is for timing, swing is for bias — reading both is what separates a pullback from a reversal.

BOS & CHoCH, labelled live

Every structural event is marked as continuation (BOS) or a change of character (CHoCH) — filterable per direction and per degree, so you show only the events you trade.

Volume-confirmed breaks

Support and resistance come from significant pivots, and a break only registers when volume clears your threshold. Wicks on thin volume are ignored, not celebrated.

The smart-money layers

Order blocks, fair value gaps, equal highs/lows, premium/discount and strong/weak extremes — the full concept set on one chart, with a live analysis panel.

Who it's for

Traders who work with Smart Money Concepts — structure, liquidity and institutional zones — and price-action traders who want the structural read done for them, consistently. Everything is computed on closed bars, so nothing repaints. It works on any instrument and timeframe NinjaTrader 8 can chart; volume data is needed for confirmed level breaks.

Futures (ES, NQ, GC, CL...)

Forex

Crypto

Stocks

Intraday: 1–15 min

Swing: 1 h – Daily

Any timeframe

A note on honesty

Structure describes what price has done and where reactions are *likely* — it cannot promise what price will do next. A CHoCH is evidence a trend may be ending, not proof. Use these labels to organise your analysis, and always apply your own risk management.

Installing it — step by step

Installation is the same for every TraderSuite indicator and takes about two minutes. You need NinjaTrader 8 (64-bit, 8.1 or later) and the .zip file from your purchase email or account download page.

- 1 Download the zip — and leave it zipped.** NinjaTrader imports the whole archive; do not extract it first.
- 2 Import into NinjaTrader.** In the Control Center choose **Tools → Import → NinjaScript Add-On...**, browse to the zip and confirm. If an older copy exists, remove it first so NinjaTrader compiles a single clean version.
- 3 Restart NinjaTrader.** A restart after import guarantees the new assembly is loaded.
- 4 Add it to a chart.** Right-click the chart → **Indicators...** → open the **TraderSuite** folder → double-click **TS_MarketStructure_Pro**.
- 5 Enter your licence key.** In the indicator's settings find the **0A. License** group and paste the key from your purchase email. Leave it empty to start an automatic 7-day trial.
- 6 Click OK and check the panel.** The analysis panel's **License** line should read **✓ LICENSED**, **MEMBER** or **TRIAL**. Section 10 explains every state.

Requirements

NinjaTrader 8 (latest release, 64-bit) · Windows · a data feed with volume for confirmed level breaks · an internet connection for first-time licence activation (then it works offline for up to 7 days).

Moving machines?

Deactivate the old machine from your account dashboard first, then activate on the new one. Activations used/allowed are shown live on the panel.

Tip — save it in a template

Once your colours and settings feel right, right-click the chart → **Templates** → **Save as default** so every new chart opens ready to trade.

Anatomy of the chart

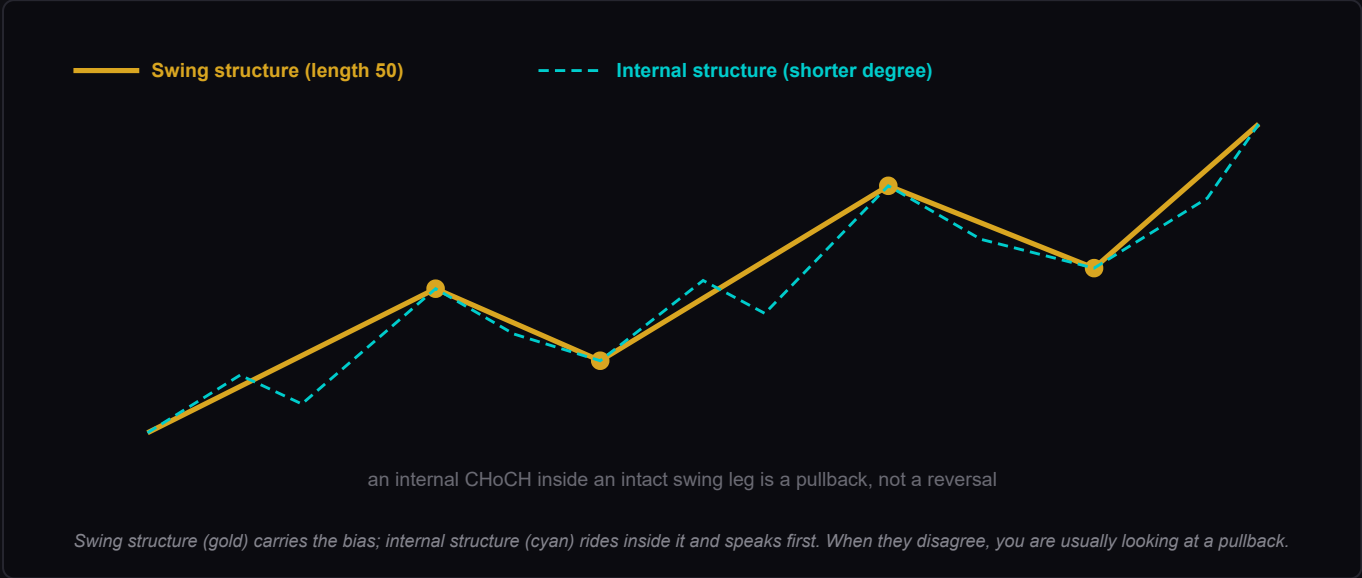
Everything the engine draws, on one screen. Structure labels print at the level they broke, zones extend right until they are consumed, and the range shading sits quietly behind price. In this guide swing structure is shown in gold and internal structure in cyan; on your chart the Style setting switches between Colored and Monochrome rendering.



- 1 Swing BOS** — the larger degree broke its prior high with the trend. Continuation confirmed.
- 2 Internal CHoCH** — the shorter degree broke against the move: a pullback signature while swing holds.
- 3 Demand order block** — the last down-candle before the impulse, extended right until mitigated.
- 4 Volume-confirmed resistance** — a pivot level; breaks only count when volume clears the threshold.
- 5 Equal highs (EQH)** — resting liquidity above two matching highs.
- 6 Premium / discount** — the working range split at equilibrium (EQ).
- 7 Analysis panel** — licence state and the live structural read at both degrees.

Two degrees of structure

The single most useful thing in this engine: **structure is tracked at two independent scales at the same time**. Swing structure follows the larger trend over a longer swing length (50 by default); internal structure captures the shorter-term sequence of breaks riding inside it.



The combination that matters most

An internal CHoCH against an intact swing trend is the market pausing within a move — that is where with-trend entries come from. Internal *and* swing breaking together is a genuine reversal signal.

You control what each degree shows

Each degree has independent display controls, set separately for the bullish and bearish side. A confluence filter is available on the internal degree to suppress events that do not agree with the larger picture.

Control	Choices	Notes
Internal Bullish / Bearish	All · BOS · CHoCH	Filter internal labels per direction.
Swing Bullish / Bearish	All · BOS · CHoCH	Filtered independently of the internal degree.
Confluence Filter	Off	Internal only — hides internal events that fight the swing read.

BOS versus CHoCH

Two labels with very different meanings. Confusing them is the most common Smart Money error — and the reason this section exists.

BOS — continuation

The diagram shows an uptrend with three peaks and two troughs. A green dashed horizontal line is drawn at the level of the second peak. A green dot labeled 'BOS' is placed on the line where the price breaks above this level. Below the chart, it says 'prior high broken with the trend'.

CHoCH — change of character

The diagram shows an uptrend with three peaks and two troughs. An orange dashed horizontal line is drawn at the level of the second trough. An orange dot labeled 'CHoCH' is placed on the line where the price breaks below this level. Below the chart, it says 'prior low broken against the trend'.

both events print at either degree — internal or swing — so you always know which scale spoke

A break of structure extends the story; a change of character questions it.

Label	What happened	What it tells you
BOS	Price broke the prior extreme <i>in the direction of the trend</i> .	Continuation. The trend is doing what a trend does.
CHoCH	Price broke the prior extreme <i>against the trend</i> .	The first structural evidence the trend may be finishing.

You choose what prints. For each degree and each direction you can show all events, BOS only, or CHoCH only. Traders who trade continuation typically keep swing BOS and internal CHoCH visible — the trend and its pullbacks — and hide the rest.

The most common Smart Money error

Treating every CHoCH as a reversal signal. On the internal degree a CHoCH happens on every healthy pullback. Always read it against the swing degree (Section 04) before acting on it.

Volume-confirmed S/R breaks

Levels are easy. Knowing whether a break is genuine is the hard part — and this is where the volume threshold earns its place.

Support and resistance are derived from pivots using configurable left and right bar counts — **15** each side by default — so only reasonably significant swings produce levels. What separates this from a standard pivot indicator: a break is only registered when volume clears a threshold, **20** by default.



Why this matters

Price wicks through levels constantly, especially in thin conditions. A break on ordinary volume is usually noise; a break on genuine participation is a structural event. The threshold is what separates them — and it is the setting most worth tuning to your instrument.

Support works the same way in mirror image. Raise the pivot bar counts for fewer, more significant levels; raise the volume threshold until confirmed breaks match what you would call a break by eye.

Order blocks & fair value gaps

An order block is the last opposing candle before a decisive move — where institutional orders are presumed to have been filled. A fair value gap is the imbalance a fast candle leaves behind.

Order block

DEMAND OB — from the last red candle

wick tap

Fair value gap

FVG

the gap between candle 1's high and candle 3's low

Left: the last opposing candle before a decisive move becomes an order block, extended right until price consumes it. Right: a fair value gap — off by default; enable it if you trade imbalances.

Order blocks are detected at both structural degrees, with separate quantity limits — 5 internal blocks by default, with swing blocks available but off. Two settings shape their behaviour materially:

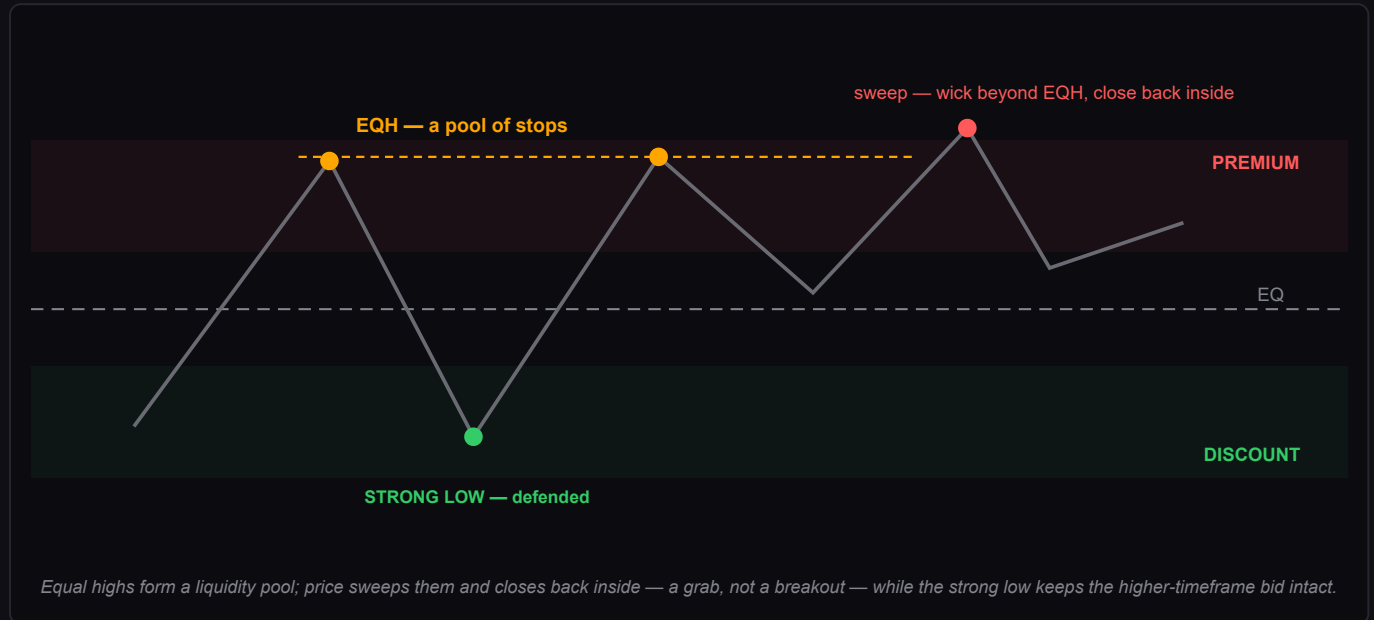
Setting	Options	Effect
OB Volatility Filter	ATR · Cum. Mean Range	How candidate blocks are screened for significance. ATR scales with recent volatility; cumulative mean range uses a longer baseline.
OB Mitigation	High/Low · Close	What counts as the zone being consumed. High/Low is stricter — a wick into the zone mitigates it. Close keeps zones alive until price accepts inside.

Choose mitigation deliberately

High/Low clears zones as soon as price touches them, which keeps the chart clean but discards zones that only saw a wick. Close retains them until price actually closes inside, which suits traders who treat wicks as noise. Neither is right — they encode different assumptions about what a test means.

Liquidity & the range

Three layers that tell you where the fuel is and whether price is expensive or cheap: equal highs & lows, strong versus weak extremes, and the premium/discount split.



Equal highs & lows

Exact equality almost never happens, so the indicator uses a tolerance threshold (0.1 by default) and a bars-confirmation setting (3) — two extremes close enough and separated by enough time qualify as equal. They matter because they are visible to everyone: stops rest beyond them, and a run at a well-formed equal high is frequently a liquidity grab rather than a genuine breakout. The structural labels around it tell you which.

Strong versus weak extremes

The engine also labels which highs and lows the market actually defended and which failed. A strong low behind a long idea is structure the market has protected; a weak high ahead of it is one it has not.

Premium & discount

The overlay divides the working range at its equilibrium: the upper half is premium (expensive), the lower half discount (cheap). The application is straightforward — look for longs in discount and shorts in premium, so you are buying the cheaper part of the range rather than chasing the expensive part.

Combine it with the order blocks

A demand order block sitting in discount is a materially better proposition than the same block sitting in premium, because the range itself still offers room in your favour. This pairing is the single most practical use of the overlay.

Settings reference

Every option, grouped exactly as it appears in the NinjaTrader indicator dialog.

0. About & 0A. License

Option	Default	What it does
Website	tradersuite.online	Displayed on the panel. Informational.
Show Logo	On	Show the TraderSuite crest at the top of the panel.
Show Panel	On	Master toggle for the analysis panel.
License Key	(empty)	Your key. Leave empty for a 7-day trial.

1. Support & Resistance

Option	Default	What it does
Show Breaks	On	Mark level breaks on the chart.
Left Bars / Right Bars	15 / 15	Bars either side needed to confirm a pivot into a level.
Volume Threshold	20	Volume required before a break is treated as genuine. The key filter — tune it to your instrument.

2. Smart Money Concepts

Option	Default	What it does
Mode	Historical	Historical retains past structure; Present shows only what is currently relevant.
Style	Colored	Colored or Monochrome rendering. Monochrome reduces visual noise.
Color Candles	Off	Tint candles by structural state.

3. Internal Structure

Option	Default	What it does
Show Internal Structure	On	Display the shorter structural degree.
Internal Bullish	All	All events, BOS only, or CHoCH only.
Internal Bearish	All	Filtered separately from the bullish side.
Confluence Filter	Off	Suppress internal events that disagree with the larger picture.

4. Swing Structure

Option	Default	What it does
Show Swing Structure	On	Display the larger structural degree.
Swings Length	50	Swing detection length. Higher = fewer, larger swings.
Show Swing Points	Off	Mark the individual swing pivots.
Show Strong/Weak High-Low	On	Label which extremes held and which failed.

Order blocks, liquidity & alerts

5. Order Blocks

Option	Default	What it does
Internal Order Blocks	On	Draw blocks from the internal degree.
Internal OB Qty	5	How many internal blocks are retained.
Swing Order Blocks	Off	Draw blocks from the swing degree.
Swing OB Qty	5	How many swing blocks are retained.
OB Volatility Filter	ATR	ATR or Cumulative Mean Range screening of candidate blocks.
OB Mitigation	High/Low	High/Low (a wick consumes the zone) or Close (price must accept inside).

6. Equal Highs & Lows

Option	Default	What it does
Equal High/Low	On	Detect and mark equal extremes.
Bars Confirmation	3	Separation required between the two extremes.
Threshold	0.1	How close counts as equal.

7. Fair Value Gaps

Option	Default	What it does
Fair Value Gaps	Off	Detect and draw imbalances.
Auto Threshold	On	Scale the gap significance filter automatically.
Extend FVG	1	How far gaps project forward.

8. Premium & Discount · 9. Alerts

Option	Default	What it does
Premium/Discount Zones	On	Shade the working range either side of equilibrium.
Enable Alerts	Off	Master switch for real-time alerts on structural events.

Colour reference (as used in this guide)

#D9A621 Gold — swing structure	#00CCCC Cyan — internal structure · FVG	#FFA500 Orange — equal highs / lows
#0E8B8B Teal — demand order blocks	#33CC66 Green — support · discount · bullish	#FF5959 Red — resistance · premium · bearish

On the chart, the Style setting switches the engine between Colored and Monochrome rendering.

Licensing & activation

The indicator validates once, then caches its status and keeps working offline within a grace window — so a brief internet drop never interrupts your session.

Getting started

- 1 Add **TS_MarketStructure_Pro** to your chart (Indicators dialog → TraderSuite folder).
- 2 Open its settings and find the **0A. License** group.
- 3 Paste your **License Key** — or leave it empty to start an automatic 7-day trial.
- 4 Click OK. The panel's **License** line confirms your status.

License states you may see

Panel shows	Meaning
✓ LICENSED	Valid product licence, activated on this machine.
✓ MEMBER	Active membership licence.
✓ ADMIN	Administrator master key (support / testing).
TRIAL (Xd left)	Free trial, days remaining shown.
OFFLINE MODE	Server unreachable; running on the offline grace period (up to 7 days).
✗ message	Attention needed — invalid key, max activations, expired, or internet required.

Activations

A product licence activates on a limited number of machines (shown as **used / max** on the panel). Need to move machines? Deactivate the old one from your account, then activate the new one.

Trading with it — a workflow

A simple, repeatable way to use the engine. This is an educational framework, **not financial advice** — always apply your own plan and risk limits.

- 1 **Read the swing degree first.** The gold labels set your bias: a recent swing BOS up means you hunt longs; a swing CHoCH means stand back and reassess.
- 2 **Wait for the internal pullback.** An internal CHoCH against an intact swing trend is a pullback signature — the market pausing, not turning.
- 3 **Find the zone that should end it.** Look for an internal order block (or a fair value gap, if enabled) at the pullback's origin — and prefer zones sitting in **discount** for longs, **premium** for shorts.
- 4 **Check the liquidity map.** Equal lows just beyond your zone warn that price may sweep them first. A strong low behind your idea is structure the market has already defended.
- 5 **Demand confirmation.** Wait for internal structure to break back with the trend, or a level break that clears the volume threshold. Wicks without participation are not confirmation.
- 6 **Manage against structure.** Behind a long, the strong low is your line in the sand; a swing CHoCH against the position is the structural exit.

Confluence is king

The strongest setups stack the layers: swing trend intact, internal CHoCH pullback into an order block in discount, no opposing liquidity in the way, and a volume-confirmed break to trigger.

Avoid

Trading internal signals against the swing degree, buying order blocks in premium, treating a low-volume wick through a level as a break, and running every layer at once.

What this indicator is not

Being clear about limits is part of being useful. Market Structure Pro is an analytical charting tool — here is what it does **not** do, on purpose.

- **It is not a signal service.** It labels structure, zones and liquidity; it does not tell you when to buy or sell. The decision — and the responsibility — stays with you.
- **It does not predict the future.** A BOS or CHoCH describes what price has already done. Any zone can fail, any level can break, and a CHoCH is evidence — never proof — that a trend is ending.
- **It does not promise profits.** No indicator does. Past behaviour of a level, zone or structural pattern does not guarantee future results.
- **It is not an automated strategy.** It places no orders and manages no positions. It draws context on your chart; execution is entirely yours.
- **It is not financial advice.** Everything in this guide is educational. Consult a qualified professional before making investment decisions.

Risk disclosure

Trading futures, foreign exchange and other leveraged products involves substantial risk of loss and is not suitable for every investor. Only trade with capital you can afford to lose. Hypothetical or simulated examples in this guide have inherent limitations and do not represent actual trading.

What it is

A disciplined, non-repainting structural read of any market — BOS, CHoCH, order blocks, liquidity and range context on one chart, derived from one consistent engine — so your preparation is faster and internally consistent.

Troubleshooting & FAQ

► Does it repaint?

No. Everything is computed on closed bars (`Calculate.OnBarClose`). Structural events print on confirmed pivots and do not move afterwards.

► The indicator doesn't appear in the Indicators list

Check the import finished without errors (Tools → Import → NinjaScript Add-On), then restart NinjaTrader. It lives in the **TraderSuite** folder of the Indicators dialog, not the top level.

► Compilation error after import

Delete any older copy of the file first, then re-import so NinjaTrader compiles a single clean version.

► The chart is completely covered

Expected with everything enabled — this is a large engine. Disable one structural degree, restrict events to BOS or CHoCH only, switch Mode to **Present**, and turn off the layers you do not use.

► Level breaks are firing on wicks

Raise the **Volume Threshold**. Without it, any push through a level registers; with it, participation is required.

► Breaks never confirm / volume seems dead

Your data feed must supply volume for the instrument. Playback and some free feeds ship without volume — check on your live/sim feed (e.g. Kinetick, CQG, Rithmic), or lower the threshold.

► Order blocks disappear too quickly

Switch **OB Mitigation** from High/Low to Close, so a wick into the zone no longer consumes it.

► Why are fair value gaps and swing order blocks off by default?

Legibility. The engine already draws a great deal; enable them only if you trade them specifically.

► Should I trade internal or swing structure?

Trade one and use the other for context. Internal for timing, swing for bias — reading both together is the point.

► Panel says X Internet required

The first validation of a new key needs a connection. Once validated, it keeps working offline for up to 7 days.

► Panel says X Max activations reached

Your key is active on its maximum number of machines. Deactivate an old machine from your account dashboard, then activate this one.

Still stuck?

Email completetradersuite@gmail.com with your NinjaTrader version, the indicator version from the panel, and a screenshot. The TraderSuite Team will get you running.

Changelog

What changed in each release. Update through your account download page — import the new zip over the old version (delete the old file if NinjaTrader reports a duplicate).

Version	Notes
v1.0.0	Current build — initial release. The two-degree structure engine (internal & swing BOS/CHoCH with per-direction filters and a confluence filter), order blocks with ATR / cumulative-mean-range screening and configurable mitigation, fair value gaps, equal highs & lows, premium/discount zones, strong/weak extremes, and volume-confirmed support & resistance — with the live analysis panel and real-time alerts.

Staying current

Licence holders get every update free. The panel shows your installed version; compare it with the version on the product page whenever you like.



TraderSuite

Thank you for trading with Market Structure Pro. For the latest build, video walkthroughs and support, visit us online.

Web tradersuite.online

Email completetradersuite@gmail.com