TRADERSUITE · PROFESSIONAL INDICATOR SERIES

Expected Move

The complete user guide — daily and weekly expected move levels from live implied volatility, the market-open line, honest accuracy tracking and one-click control, on one clean chart.

v1.0.0 tradersuite.online

GETTING ORIENTED

Contents

How to read this guide

Sections 1–7 explain what the levels are, where they come from and what you see on the chart. Section 8 is a full reference for every setting. Keep it open beside a chart on your instrument — each visual mirrors exactly what the indicator draws.

SECTION 01

What this indicator does

TsuiteExpectedMove draws the market's expected move — the one-standard-deviation price range implied by options pricing — directly on your chart, for both the current day and the current week. Around those levels it layers the context an index-futures trader normally assembles by hand: the RTH market-open line, live implied-volatility data fetched from the TraderSuite API, an honest accuracy panel that tracks how the projections have behaved, and a one-click button to clear it all away when you want a bare chart.

Levels from real IV

Expected move levels are pulled live from the TraderSuite API, so they reflect actual implied volatility — not a historical proxy computed from past bars.

Two horizons, one chart

Daily boundaries frame the session; weekly boundaries frame the bigger picture. Each pair has its own colours, line style and toggle, so you can run either or both.

The open, marked

A market-open line marks the RTH session opening price, with a customisable display — the natural reference the daily range is judged against.

Honest scorekeeping

An accuracy panel tracks, day by day on your instrument, how often price stayed inside the projected range — so you know how much weight the levels deserve.

Who it's for

Index-futures and commodity day traders who plan the session around levels — where the open sits, how far is "far", and where the options market prices the edge of the likely range. It is built for the instruments below; micro contracts are mapped to their parent symbol automatically.

NQ · ES · YM · RTY | CL · GC | Micros: MNQ · MES · MYM · M2K · MCL · MGC | Intraday: 1–15 min | Daily & weekly context

A note on honesty

The expected move is a statistical band, not a wall. Price is expected to stay inside it roughly 68% of the time — which also means it is expected to leave it roughly one session in three. Nothing here predicts direction; the levels organise evidence so you can plan. Always combine them with your own risk management.

SECTION 02

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_ExpectedMove`.
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 statistics panel's License line should read ✓ LICENSED, MEMBER or TRIAL. Section 09 explains every state.

Requirements

NinjaTrader 8 (latest version recommended) · an internet connection for API data (offline fallback available) · a valid TraderSuite licence key or active trial · a supported instrument: NQ, ES, YM, RTY, CL or GC, including their micros.

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.

SECTION 03

Anatomy of the chart

Everything the indicator draws, on one screen. The levels are horizontal lines across the full chart with price labels (left edge by default) and price markers on the scale, so nothing covers your candles.

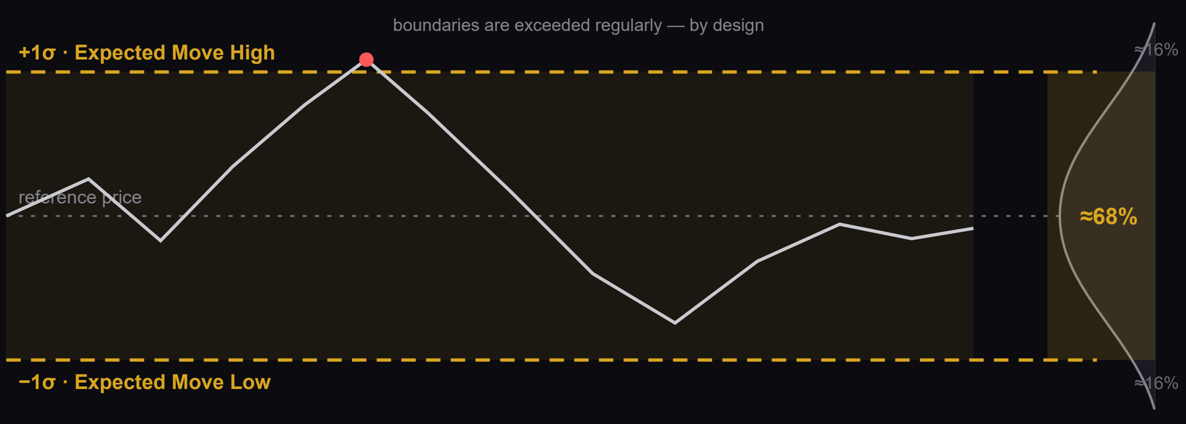
1. **Daily EM High** — the upper daily boundary (lime, dashed by default).
2. **Daily EM Low** — the lower daily boundary (red, dashed by default).
3. **Weekly EM High / Low** — the week's range (blue & orange, dash-dot).
4. **Market Open line** — the RTH session opening price.
5. **Price labels** — name + level on each line; position and style configurable.
6. **Accuracy panel** — how the projections have behaved on this instrument.
7. **EM button** — one click shows or hides every level (green = on).

SECTION 04

What "expected move" means

The expected move is the price range the options market is pricing in — one standard deviation either side of a reference price, derived from current implied volatility (IV). Statistically, price should finish inside that band roughly **68%** of the time.

That single sentence carries three practical ideas. First, the levels are **forward-looking**: they come from what option buyers and sellers are paying *today*, not from what price did last month. Second, they are **probabilistic**: 68% inside means roughly one session in three finishes outside — an expected move is a likely range, never a hard limit. Third, they are **symmetric**: the band says how far price may travel, not which way.



One standard deviation either side of the reference price. Roughly 68% of the probability sits inside the band — and roughly 16% beyond each boundary.

Why traders care

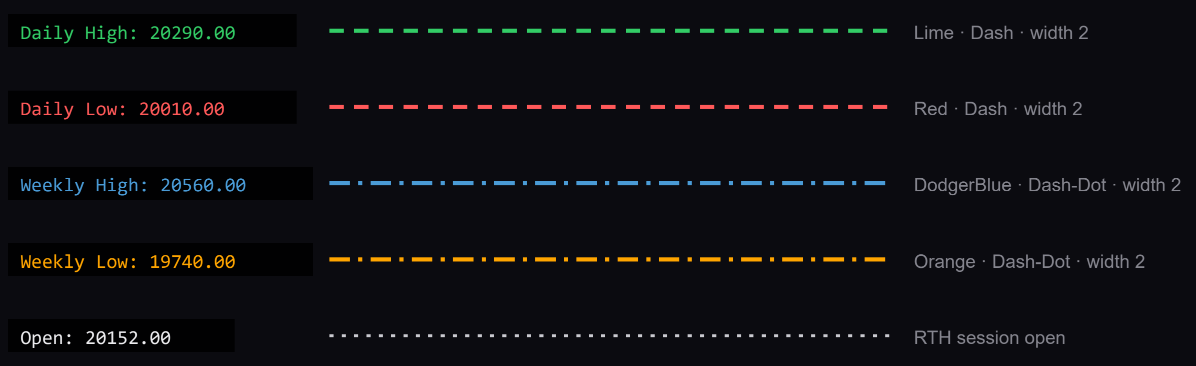
- **Range framing.** Before the session starts you know how far the options market thinks "far" is — for today and for the week.
- **Natural reference levels.** Price approaching a boundary is, by definition, at the edge of the priced-in range — a logical place to reassess, scale out or tighten risk.
- **Volatility context.** A wide band tells you the market expects movement; a narrow band tells you it does not. Both change how a plan should look.

> **A band, not a barrier**
>
> Nothing stops price at a one-standard-deviation level. Trending sessions and news events push through it routinely — the accuracy panel (Section 07) exists precisely to keep that honest.

SECTION 05

Daily, weekly & the open line

Three families of levels share the chart, each visually distinct by default so you can read them at a glance. Every colour, width, style and opacity is configurable, and the daily and weekly pairs can be toggled independently.



Default look of the five levels. Labels show the level name — and the exact price when Show Price on Label is on.

Daily levels — the session's frame

The daily pair brackets the current trading day. Where the open sits inside that band matters: an open near the middle leaves room both ways, while an open close to a boundary means one side of the range is already nearly spent. Through the day, watch how price behaves as it nears a boundary — respect, stall or clean push-through are all information.

Weekly levels — the bigger frame

The weekly pair shows the range priced in for the whole trading week. It is deliberately wider, and most useful as context: a daily boundary that sits just inside a weekly boundary is a more interesting area than either alone. Read weekly for context, daily for the session in front of you. Running both at once is informative but busy — the toggles exist for a reason.

The market-open line

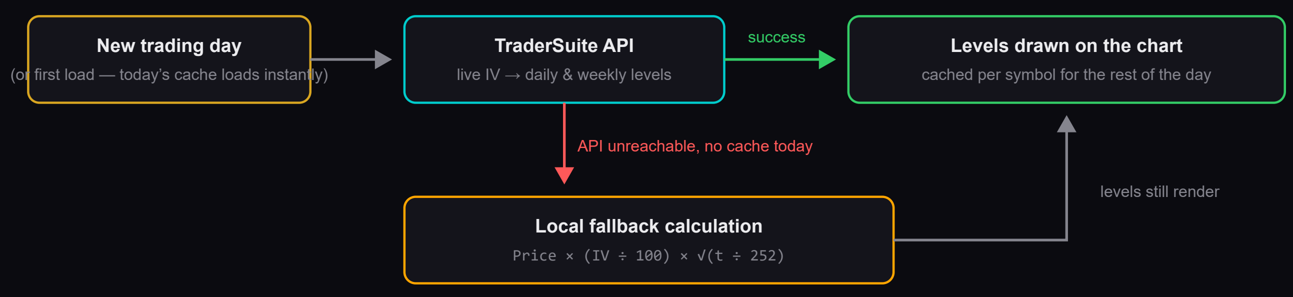
The open line marks the RTH session opening price, detected automatically. It anchors the day: above the open with room to the upper boundary reads differently from below the open pressing the lower one. Its display is customisable like the other levels.

> **Labels that stay out of the way**
>
> Labels can sit at the **left edge** (default), **centre** or **right edge** of the chart, with adjustable font size and background opacity — so the levels stay readable without covering price action.

SECTION 06

Live data, cache & fallback

Levels are fetched from the TraderSuite API once per trading day, in the background, so your chart never freezes waiting for a download. The result is cached locally per symbol; if the connection drops, the indicator degrades gracefully instead of going blank.



The data path. The API is the point of the tool — the fallback exists so a dropped connection never leaves you with a blank chart.

The fallback formula

When the API is unavailable and there is no cache from today, the indicator computes the band locally from an implied-volatility figure — your `Fallback IV`, or a sensible per-symbol default:

```
Daily  EM = Price × (IV ÷ 100) × √(1 ÷ 252)
Weekly EM = Price × (IV ÷ 100) × √(5 ÷ 252)
```

Supported instruments & default fallback IV

Symbol	Micros mapped to it	Default IV	Character
NQ (Nasdaq 100)	MNQ	20%	Higher volatility than the broad market.
ES (S&P 500)	MES	16%	The baseline index.
YM (Dow Jones)	MYM	16%	Similar profile to ES.
RTY (Russell 2000)	M2K	22%	Small caps — typically more volatile.
CL (Crude Oil)	MCL	35%	Much more volatile than the indices.
GC (Gold)	MGC	15%	Typically the calmest of the set.

Micro contracts are mapped to their parent symbol automatically, so MNQ shows NQ levels. The per-symbol defaults apply while `Fallback IV` is left at its factory value; change it and your figure is used instead.

SECTION 07

The accuracy panel & EM button

Most level indicators never tell you how their levels behaved. This one keeps score. Each completed trading day it records, per instrument, whether price stayed inside the daily band or broke a boundary — and shows the running percentages in a compact panel in the top-right of the chart.

EM Accuracy (42 days)

Within Range: 66.7%

Exceeded High: 21.4%

Exceeded Low: 16.7%

Both Exceeded: 4.8%

- **Within Range** — days both boundaries held. Green when ≥60%, white 40–60%, red below 40%.
- **Exceeded High / Low** — days price traded beyond that boundary.
- **Both Exceeded** — days both boundaries broke — genuinely wild sessions.
- History is stored locally per symbol and grows one row per completed day.

Values shown are hypothetical, for illustration — your panel reflects your instrument's own history.

Reading it honestly

SECTION 07 · CONTINUED

The accuracy panel & EM button

The panel needs time. With a handful of tracked days the percentages swing wildly; over weeks they settle into a fair picture of how the projections behave on *your* instrument. Use it to calibrate weight — a strong “within range” history earns the boundaries more respect; a weak one says lean on them less. It describes the past; it promises nothing about tomorrow.

The EM button

EM · ON	EM · OFF
Green — levels visible	Grey — levels hidden, indicator stays loaded

The on-chart toggle sits in the bottom-left of the chart. One click hides or restores every level — no settings dialog needed.

> **Why a toggle matters**
>
> Sometimes you want a bare chart — during a review, a screenshot, or a fast market. The button clears the levels instantly and brings them back just as fast, while data, cache and history keep running underneath.

SECTION 08

Settings reference

Every option, grouped 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 on the chart.
`Show Panel`	`On`	Master toggle for the on-chart branded panel.
`License Key`	`(empty)`	Your key. Leave empty for a 7-day trial.

API Settings

Option	Default	What it does
`API Base URL`	`tradersuite.online`	Where live IV data comes from. Leave as shipped.
`Use API Data`	`On`	Fetch levels from the API. Off = always calculate locally from the fallback IV.

Display Settings

Option	Default	What it does
`Show Daily EM`	`On`	Draw the daily expected move high & low.
`Show Weekly EM`	`On`	Draw the weekly expected move high & low.
`Show Labels`	`On`	Show the name/price label on each line.
`Show Toggle Button`	`On`	Show the on-chart EM on/off button.
`Show Accuracy Stats`	`On`	Show the historical accuracy panel.

Market Open

Option	Default	What it does
`Show Market Open Line`	`On`	Mark the RTH session opening price; display is customisable like the other levels.

Fallback Settings

Option	Default	What it does
`Fallback IV (%)`	`18.0`	IV used when the API is unavailable (5–50). Left at 18.0, the per-symbol defaults from Section 06 apply instead.

Lines, labels & colours

Daily Line Style

Option	Default	What it does
`Line Width`	`2`	Width of the daily lines (1–10).
`Line Style`	`Dash`	Solid / Dash / DashDot / DashDotDot / Dot.
`Opacity (%)`	`100`	Transparency of the daily lines (10–100).

Weekly Line Style

Option	Default	What it does
`Line Width`	`2`	Width of the weekly lines (1–10).
`Line Style`	`DashDot`	Solid / Dash / DashDot / DashDotDot / Dot.
`Opacity (%)`	`100`	Transparency of the weekly lines (10–100).

Label Style

Option	Default	What it does
`Label Position`	`Left Edge`	Where labels sit: Left Edge / Center / Right Edge.
`Font Size`	`11`	Label text size (8–18).
`Background Opacity (%)`	`85`	Opacity of the label background (0–100).
`Show Price on Label`	`On`	Append the exact level, e.g. `Daily High: 20290.00`.

Daily EM Colors

Option	Default	What it does
`Daily EM High Color`	`Lime`	Colour of the daily upper boundary.
`Daily EM Low Color`	`Red`	Colour of the daily lower boundary.

Weekly EM Colors

Option	Default	What it does
`Weekly EM High Color`	`DodgerBlue`	Colour of the weekly upper boundary.
`Weekly EM Low Color`	`Orange`	Colour of the weekly lower boundary.

Label Colors

Option	Default	What it does
`Text Color`	`White`	Label text colour.
`Background Color`	`Black`	Label background colour.

Lines, labels & colours

Making a busy chart readable

Running daily and weekly together? Drop the weekly **Opacity**, or move labels to the **Right Edge** so the left side of your chart stays clean. Distinct line styles (Dash vs DashDot) keep the pairs tellable-apart even in one colour.

SECTION 09

Licensing & activation

The indicator validates once, then caches for 24 hours and keeps working offline within a grace window — so a brief internet drop never interrupts your session.

Getting started

1. Add `TS_ExpectedMove` 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.
✗ `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.

SECTION 10

Trading with it — a workflow

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

1. **Check the feed.** Levels drawn, EM button green. Live API data is the point of the tool — if you are offline it falls back to a local IV estimate, and you should know which one you are reading.
2. **Map the day before trading it.** Where did price open inside the daily band? Near the middle leaves room both ways; opening near a boundary means one side of the range is already nearly spent.
3. **Keep the weekly frame in view.** Weekly levels for context, daily for the session in front of you. A daily boundary stacked near a weekly one deserves extra attention.
4. **Let boundaries set expectations, not signals.** A boundary is where the options market prices the edge of the likely range. Price approaching it means “extended” — it does not mean “reverse now”.
5. **Use the levels to take profit.** Price grinding to the upper boundary and stalling beneath it is a natural place to bank gains rather than hold for more — the range the market priced has been delivered.
6. **Respect a clean break.** Expected moves are exceeded regularly. A strong push through a boundary is information about the day’s character, not a malfunction to fade.
7. **Calibrate with the accuracy panel.** Over weeks it shows how often the band held on your instrument — give the boundaries exactly as much weight as their history earns.

Confluence is king

The levels are strongest where they agree with your other work — a daily boundary that lines up with prior structure, a volume shelf or a weekly level is far more interesting than a boundary in empty space.

Avoid

Fading every touch of a boundary, trading the levels blind through scheduled news, leaving a nonsense fallback IV so offline levels mislead, and reading the accuracy panel as a promise about tomorrow.

SECTION 11

What this indicator is not

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

- **It is not a signal service.** It does not tell you when to buy or sell. It draws the range the options market is pricing; the decision — and the responsibility — stays with you.
- **It does not predict the future.** The band is a one-standard-deviation estimate that holds roughly 68% of the time. Any session can leave it — the accuracy panel exists precisely because the band does not always hold.
- **It does not promise profits.** No indicator does. How a level behaved in the past does not guarantee how it will behave next.
- **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 way to keep the range the options market is pricing — for today and for the week — plus the session open and an honest running score of how those projections have behaved, on one clean chart.

SECTION 12

Troubleshooting & FAQ

- **No lines appear when I add the indicator**

  The data fetch runs in the background — give it a moment on first load. Then check the **EM button** is green (on), and that you are on a supported instrument. If the API is unreachable it falls back to a local calculation, so a persistent blank usually means the levels are simply toggled off.

- **The levels haven't moved all day**

  By design. Expected move levels are set once per trading day and cached; they frame the whole session rather than tracking every tick. A new trading day triggers a fresh fetch automatically.

- **I trade micros (MNQ, MES…) — do I need anything special?**

  No. Micro contracts are mapped to their parent symbol automatically — MNQ shows NQ levels, MES shows ES, MYM → YM, M2K → RTY, MCL → CL, MGC → GC.

- **The accuracy panel is empty or shows very few days**

  The history builds locally, one row per completed trading day on each instrument. A fresh install starts from zero — give it time, and read the early percentages loosely.

- **My levels differ from another expected-move source**

  Different IV sources, snapshot times and reference prices produce slightly different bands — and offline the indicator uses its fallback IV rather than live data. Small differences are normal; large ones usually mean you are comparing a live band with a fallback one.

- **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.

- **Panel says ✗ Internet required**

  The first validation of a new key needs a connection. Once validated it caches for 24 h and rides an offline grace period after that.

- **Panel says ✗ 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, and a screenshot. The TraderSuite Team will get you running.

SECTION 13

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.** Stability, performance and licence hardening over the first release.
`v1.0`	Initial release — daily & weekly IV-based expected move levels, market-open line, live TraderSuite API data with smart offline fallback, accuracy tracking and the on-chart EM toggle.

Staying current

Licence holders get every update free. Compare your installed version with the version on the product page whenever you like.

TraderSuite

Thank you for trading with Expected Move. For the latest build, video walkthroughs and support, visit us online.

Web tradersuite.online

Email completetradersuite@gmail.com