

PROFESSIONAL USER GUIDE

F369

TICK SUITE

NYSE/NASDAQ Internals · Breadth · Reversal · Push

7 INSTITUTIONAL INDICATORS

369Forecast Elite Capital

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Table of Contents

Seven institutional TICK-data tools — what's pushing the market

01	Suite Overview & The TICK Edge	03
02	How To Use This Suite — Daily Workflow	05
03	F369 TICK_Breadth v2 — Cumulative Thrust Detector	07
04	F369 TICK_Divergence v2 — Price vs Internals	11
05	F369 TICK_DualLine v2 — NYSE + NASDAQ Comparison	14
06	F369 TICK_Extremes v2 — Session Tracker & Breadth Ratio	17
07	F369 TICK_Momentum v2 — Dual-Average Momentum Engine	20
08	F369 TICK_Pusher v2 — Weighted Push Scorer	23
09	F369 TICK_Reversal v2 — Extreme Entry Engine	26
10	Suite-Level Confluence Maps & Workspace Layouts	30
11	Installation · Support · Legal	34

Tesla 3-6-9 · The Pulse of Wall Street's Tape

The TICK Suite

What Wall Street's actually doing — bar by bar, exchange by exchange

The NYSE TICK is the single most underrated tool in retail trading. It is a real-time count of every stock currently ticking up minus every stock ticking down across the exchange — a live measure of **aggressive participation**. When TICK spikes to +1000, hundreds of stocks are being market-bought simultaneously. When it crashes to -1200, panic is hitting the tape. Combine that with NASDAQ TICK (^TICKQ) and you have a panoramic view of every executable order on the planet.

The **F369 TICK Suite** turns this raw data into seven specialized tools — each engineered to answer a different question about institutional market flow. None of these tools are useful as standalone entry triggers. All of them are invaluable as *second-screen confirmation* for price-based setups. The right way to use TICK is: "*price gave me the setup, TICK tells me to take it (or not).*"

▲ THE INSTITUTIONAL TICK LANGUAGE

- **TICK 0 ±400:** Normal trading — most stocks balanced. No edge either direction.
- **TICK ±400 to ±800:** Active push — one side dominating. Trade in direction of push.
- **TICK ±800 to ±1200:** EXTREME — fade candidates in trending markets, follow in breakouts.
- **TICK ±1200+:** EXHAUSTION — capitulation / panic / squeeze finale. Reversal imminent.
- **Cumulative TICK:** Trend of trends — the running aggregate that exposes who's winning the day.

Suite Architecture — The Seven Questions Answered

Who's winning the day?

TICK_Breadth — cumulative thrust detection with EMA smoothing and confirmed-thrust diamonds at extreme levels.

Is price lying to me?

TICK_Divergence — A+/A/B graded divergence detection when price and TICK swings disagree.

Are both exchanges agreeing?

TICK_DualLine — NYSE and NASDAQ TICK plotted together for confirmation or rotation reads.

How extreme is this move?

TICK_Extremes — session-wide tracker with breadth ratio percentage, spike counts, and live bias state.

Is momentum accelerating?

TICK_Momentum — dual-average momentum engine with 4-color acceleration histogram.

Is this a real push?

TICK_Pusher — weighted dual-exchange score with thrust detection and FADE/BOUNCE warnings.

Where's the reversal entry?

TICK_Reversal — extreme-reversal arrows on price chart with target/stop math and live win-rate tracking.

How they work together

Use TICK_Breadth for direction context, TICK_Extremes for sizing decision, and TICK_Reversal for entry timing. All seven together = institutional read.

"Don't fight the TICK — confirm with the TICK."

How To Use This Suite

Five-step daily integration workflow + recommended layouts

Recommended Chart Layout

🔗 The 3-Panel Pro Layout

- **Main chart (price overlay):** TICK_Divergence + TICK_Reversal — arrows print directly on price
- **Subwindow 1 (TICK panel):** TICK_Extremes or TICK_DualLine
- **Subwindow 2 (breadth panel):** TICK_Breadth (cumulative) + TICK_Momentum
- **Optional Subwindow 3 (push scorer):** TICK_Pusher for scalp confirmations

The 5-Step Daily Workflow

Step 1 — Read Cumulative Direction (TICK_Breadth)

First glance of the day: is cumulative TICK above or below zero? Above = institutions are net buyers. Below = distribution. If cumulative TICK is trending hard in one direction (positive slope), you have a directional day — favor that side. Zero-line crosses are bias regime shifts.

Step 2 — Check Both Exchanges (TICK_DualLine)

If NYSE TICK is bullish but NASDAQ TICK is bearish, it's a **rotational day** (small caps over tech, or value over growth). When both align (both +500 or both -500), you have **broad-based conviction** — the strongest moves happen here. Trade rotations differently than full-market pushes.

Step 3 — Identify Extremes (TICK_Extremes)

Throughout the day, TICK_Extremes tracks every spike beyond ± 800 and ± 1000 . Use the breadth ratio: above 60% = persistent bull session; below 40% = persistent bear session. Spike counts tell you how violent the day is — high counts = mean-reversion environment, low counts = trend day.

Step 4 — Confirm Momentum Shifts (TICK_Momentum)

Watch for zero-line crosses on the histogram. When momentum accelerates after a zero cross (Lime → Lime histogram), the move has legs. When it decelerates (Lime → DarkGreen), the move is fading and a reversal candidate forms.

Step 5 — Find Entries (TICK_Divergence + TICK_Reversal)

For continuation: trade with TICK_Pusher thrusts in the direction of cumulative TICK. For reversal: trade TICK_Divergence A+ grades or TICK_Reversal arrows ONLY against the dominant cumulative direction during established trending day, or only at session extremes during mean-revert days.

The Four TICK Day-Types

Trend Day

Cumulative TICK trends strongly one direction; breadth ratio >65% or <35%; spikes only on continuation side. **Play continuation, fade nothing.**

Chop / Range Day

Cumulative TICK oscillates near zero; breadth ratio 45–55%; equal spike counts both directions. **Fade extremes, use reversal signals aggressively.**

Reversal Day

Cumulative TICK starts one direction, reverses hard mid-session with A+ divergence print. **Trade the reversal aggressively after confirmation.**

News / Event Day

TICK spikes to $\pm 1500+$ on data release. **Stand aside for 5-15 minutes**, then trade direction of first cumulative TICK pullback.

⚠ TICK SYMBOL DATA REQUIREMENT

Your broker must provide ^TICK (NYSE) and ^TICKQ (NASDAQ) live feeds. NinjaTrader users — these are typically free with Kinetick (^TICK) and CQG / Rithmic feeds. If symbols don't load, check Tools → Options → Market Data → Subscriptions, or contact your data provider. Without TICK data, this suite cannot function.

"Master the tape; master the day."

TICK_Breadth v2

Cumulative breadth thrust detector with smoothing line and extreme tracker

What It Is

TICK_Breadth is the **institutional cumulative TICK tool**. Instead of staring at the raw TICK plot flashing between +400 and -400 every bar, this indicator builds a *running total* — a single line that tells you whether the bulls or bears have controlled the most ground throughout the entire session. When cumulative TICK rises strongly above zero, real money is buying. When it crashes below zero and trends down, real money is selling.

On top of the cumulative line, a smoothing line tracks the medium-term breadth trend, eliminating noise so you see the underlying tide. Three extreme zones (± 800 = warning, ± 1000 = thrust) get monitored bar-by-bar — and when TICK stays in an extreme zone for several consecutive bars, the indicator confirms a **breadth thrust**. A breadth thrust is a rare and high-value event that often marks the beginning of a sustained directional run.

What You See

- **Raw TICK plot** — DodgerBlue thin line showing each bar's raw TICK value
- **Cumulative TICK plot** — Gold thick line, color-coded: DodgerBlue when net-bullish (≥ 0), Coral when net-bearish (< 0)
- **Smoothing Line** — White line tracking the medium-term cumulative trend
- **Zero line** — Gray dashed center reference
- **Diamond Markers** — Lime diamonds for confirmed bullish thrusts; Red diamonds for confirmed bearish thrusts
- **HUD Overlay** top-corner: Raw TICK · Cumulative TICK · Session High/Low · Consecutive Extreme Bar Counts
- **Dynamic Plot Color** — cumulative line turns Lime when in extreme-up zone, Red when in extreme-down zone

How to Read It

- **Cumulative TICK above zero + rising smoothing line:** Buyers are persistently winning — favor longs on pullbacks to VWAP / EMA support.
- **Cumulative TICK below zero + falling smoothing line:** Sellers persistently dominant — favor shorts on rallies to resistance.
- **Lime diamond (bullish thrust):** TICK held above +1000 for 3+ consecutive bars — institutions are aggressively buying. Look for trend continuation entries.
- **Red diamond (bearish thrust):** TICK held below -1000 for 3+ bars — aggressive selling. Look for short continuation, NEVER fade until thrust resolves.
- **Cumulative TICK rising while price falls (or vice versa):** Massive divergence — major reversal in progress.
- **Cumulative TICK crosses zero:** Bias regime shift — institutional direction has flipped.

Trading Playbook

► Setup A — Trend Continuation on Cumulative Pullback

DAY-TRADE **Trigger:** Cumulative TICK in established uptrend (rising slope on smoothing line). Cumulative pulls back toward smoothing line but holds above zero. Price simultaneously pulls back to VWAP or prior swing high.

Entry: Long on rejection candle at price support.

Stop: Beneath the pullback low.

Target: Prior session high or next major resistance. Hold while cumulative remains above smoothing.

► Setup B — Thrust Confirmation Breakout

DAY-TRADE **SWING** **Trigger:** Lime diamond prints (confirmed bull thrust). Price has just broken prior swing high or daily VWAP from below.

Entry: Buy market or limit on first pullback bar.

Stop: Below the breakout candle.

Target: 2R minimum, often runs to next round number / pivot. Trail stop under each higher low.

► Setup C — Zero-Line Cross Bias Shift

DAY-TRADE **Trigger:** Cumulative TICK crosses zero from negative to positive (or vice versa) with momentum. Plot color flips from Coral to DodgerBlue.

Entry: On next price retest of intraday VWAP.

Stop: Other side of VWAP.

Target: Daily R1 (long) or S1 (short). Best during first 2 hours of session.

► Setup D — Anti-Thrust Failure (Counter-Trend)

EXPERT Trigger: Lime diamond prints (bull thrust) but price stalls and fails to break recent high within 5 bars. Cumulative TICK starts declining.

Entry: Short on confirmation candle close below thrust bar low.

Stop: Above thrust bar high.

Target: Day's VWAP minimum. This is the failed-thrust reversal — high-value but rare.

Key Features

Raw + Cumulative TICK

Smoothing Line

Consecutive-Bar Thrust Confirmation

Configurable Extreme Levels

Dynamic Color Coding

Diamond Thrust Markers

Real-Time HUD

Strategy Output Series

Parameters

PARAMETER	TYPE	DEFAULT	RANGE	WHAT IT DOES
TickSymbol	string	^TICK	—	TICK data feed symbol (NYSE default)
ResetDaily	bool	true	—	Reset cumulative at each session start
EMA_Period	int	20	5–200	Smoothing period on cumulative TICK
ExtremeHighLevel	int	800	100–2000	Bullish extreme threshold
ExtremeLowLevel	int	-800	-2000 to -100	Bearish extreme threshold
ThrustHighLevel	int	1000	500–2000	Bull thrust marker level
ThrustLowLevel	int	-1000	-2000 to -500	Bear thrust marker level
ThrustMinBars	int	3	1–10	Bars at extreme for confirmed thrust
ShowRawTick / ShowCumTick / ShowEMA	bool	true	—	Plot visibility toggles

Tuning Tips

- **NQ / ES day trading:** Use defaults — they're tuned for institutional liquidity.
- **Faster signals (scalping):** ThrustMinBars = 2, EMA_Period = 12.
- **Filter noise (swing):** ThrustMinBars = 5, EMA_Period = 34.
- **Wider extremes (volatile markets):** ExtremeLevel = ± 1000 , ThrustLevel = ± 1300 .
- **Tighter extremes (quiet markets):** ExtremeLevel = ± 600 , ThrustLevel = ± 800 .

Why TICK Reveals Institutional Intent Better Than Price

TICK is the real-time count of **NYSE-listed stocks trading on an up-tick minus those trading on a down-tick**. It is the single most pure measurement of broad-market breadth participation. When TICK reads +800, eight hundred more stocks are being aggressively bought than sold at that exact second. When TICK reads -1000, sellers are aggressively dumping. The reading is updated continuously by the exchange itself — there is no smoothing, no delay, no algorithm interpretation. It is raw market truth.

Price can rally on 3 stocks. TICK cannot. A genuine institutional rally requires broad participation — measurable directly as TICK readings of +400 or higher sustained for multiple bars. A fake rally driven by mega-cap index re-weighting will show flat TICK while NQ rises. Knowing the difference within 30 seconds of the move starting is one of the largest single edges available to retail futures traders, and TICK_Breadth is the cleanest implementation of this read.

CUMULATIVE TICK — THE INSTITUTIONAL DAY-TAPE

Raw TICK oscillates wildly bar-to-bar and is hard to read. **Cumulative TICK** sums all readings since session start, creating a single line that traces the institutional pressure of the entire day. When Cumulative TICK is making higher highs all session, institutions are net-buying without let-up — bull-day signature. When it's making lower lows, institutions are net-selling. The slope of Cumulative TICK is more reliable than raw TICK because it filters out single-bar noise while preserving directional bias.

Advanced Reading — TICK Breadth Signatures

- **TICK above +400 for 5+ consecutive bars:** Sustained institutional buying — hold longs through pullbacks.
- **TICK below -400 for 5+ consecutive bars:** Sustained institutional selling — hold shorts.
- **Cumulative TICK higher highs + price higher highs:** Confirmed bull trend; breadth supports price.
- **Cumulative TICK lower highs + price higher highs:** Bearish divergence; rally lacks breadth — fade candidate.
- **Thrust above +1200:** Climactic buying — short-term exhaustion candidate; tighten stops on longs.
- **Thrust below -1200:** Capitulation — short-covering bounce typically follows within 10 bars.
- **Cumulative TICK flat while price trends:** Index move driven by 2-3 mega-caps only; narrow leadership = fragile move.
- **Cumulative TICK crossing zero from below:** Day's bias flipping to bullish; new long bias confirmed.

Additional Setups

► Setup E — Cumulative TICK Breakout Confirmation

DAY-TRADE **Trigger:** Price breaks structural resistance (prior day high, R1, VWAP). Cumulative TICK simultaneously breaks its session high.

Entry: Long on retest of broken level with TICK staying above +200.

Stop: Below broken level.

Target: Next major resistance; trail while Cumulative TICK keeps rising.

► Setup F — Thrust-Exhaustion Counter-Trade

REVERSAL **EXPERT** **Trigger:** TICK thrust above +1200 (rare; top 5% of readings). Price at multi-day high. EMA TICK declining despite thrust spike — divergence at climax.

Entry: Short on first close below thrust bar.

Stop: Above thrust bar's high.

Target: Mean reversion to VWAP; hold runner if Cumulative TICK rolls over.

► Setup G — Cumulative-Divergence Fade

REVERSAL **Trigger:** Price making new session high. Cumulative TICK making lower high. Structural resistance at the price high.

Entry: Short at structural resistance on rejection.

Stop: Above resistance.

Target: VWAP or prior swing low. Hold runners — cumulative breadth divergences frequently produce multi-bar reversals because the underlying flow is exhausted.

Common Mistakes With TICK_Breadth

- **Trading individual TICK spikes.** Single-bar TICK extremes are noise. The signal is sustained readings (5+ bars) or cumulative slope.
- **Ignoring cumulative when raw is dramatic.** Raw TICK gets attention but Cumulative TICK is the smarter read. Cross-check both.
- **Trading TICK without structural context.** Breadth confirms direction; structure determines location. Without a structural setup, TICK readings are abstract.
- **Fading every extreme.** Thrust readings can sustain in genuine trend days. Wait for confirmed divergence before fading.
- **Using TICK during low-liquidity sessions.** Holidays, early closes, late August produce noisy TICK. Trust the indicator less during these regimes.
- **Confusing NYSE TICK with NASDAQ TICK.** They measure different exchanges. NYSE leads index futures; NASDAQ trails. Use the correct symbol for your data feed.

Pairs Well With

F369 TICK_Momentum (acceleration confirmation), **F369 FLOW_CVD** (delta/CVD alignment with breadth), **F369 TREND_VWAP** (institutional anchor + breadth confirmation), **F369 LEVEL_Pivots** (HOD/LOD targets aligned with breadth), **F369 PATTERN_8Masters** (mega-cap Z-score + breadth = full institutional read), **F369 SESSION_DayPlanInstitutional** (auction state + breadth confirmation).

"Cumulative TICK is the X-ray of institutional intent."

TICK_Divergence v2

Price vs. internals — when price lies, TICK tells the truth

What It Is

This is the **truth detector** for every breakout you've ever taken. The market makes a new high, you go long, and immediately get stopped out — sound familiar? In nine out of ten cases, the TICK *warned* you. While price was making its new high, the underlying breadth (TICK) was making a lower high — fewer stocks participating, fewer institutions buying. The breakout was a fake, and the TICK said so before price did.

TICK_Divergence v2 scans every swing high and swing low in real time, compares it against the corresponding swing in TICK, and prints an arrow on your chart the moment it spots a discrepancy. Better yet, it grades each divergence as **B** (decent), **A** (strong), or **A+** (institutional). Only A+ divergences should drive aggressive counter-trend trades; B divergences are warnings.

What You See

- **Red ArrowDown** printed at price swing high when bearish divergence confirms (price higher high, TICK lower high)
- **Lime ArrowUp** printed at price swing low when bullish divergence confirms (price lower low, TICK higher low)
- **Quality Grade text** next to each arrow — "B" / "A" / "A+"
- **Numerology Root** [0–9] digital-root tag — F369 numerology context layer
- **On-chart Overlay** — arrows plot directly on price (IsOverlay = true)

How to Read It

- **A+ grade:** Maximum quality. Severe divergence — institutional smart money is unloading (or accumulating). Trade this counter-trend with confidence.
- **A grade:** Strong divergence. Confirmation candle required (engulfing, doji at top of run, etc.).
- **B grade:** Decent — treat as exit warning for existing position, not a fresh entry signal alone.
- **Numerology root 3/6/9:** Tesla 3-6-9 resonance — F369 quality boost on the signal.
- **Consecutive divergences (2-3 same direction):** Massive distribution / accumulation pattern — major turn ahead.

Trading Playbook

► Setup A — A+ Reversal at Daily Extreme

SWING DAY-TRADE **Trigger:** Price prints new daily high (or low) and TICK_Divergence flags A+ bearish divergence (or A+ bullish). Price is near a key F369 LEVEL or daily R1/R2.

Entry: On confirmation candle close below (or above) the divergence bar.

Stop: Beyond the divergence high/low.

Target: Daily VWAP first, then opposite session extreme. Trail stop above each lower high.

► Setup B — Multi-Push Distribution / Accumulation

SWING **Trigger:** Two or three consecutive A or A+ bearish divergences within a 30-bar window. Price has been grinding up but TICK is making lower highs each time.

Entry: Short on break of recent swing low or VWAP.

Stop: Above highest of the three divergence prints.

Target: 2-3R minimum. This is the classic "stairstep distribution" — high-confidence reversal.

► Setup C — Exit Signal for Existing Position

RISK-MGT **Trigger:** You're long a runner and a B-grade bearish divergence prints. Cumulative TICK starts flattening.

Action: Tighten stop to last higher low or take 50% off. Wait for A/A+ confirmation before reversing.

► Setup D — Failed Divergence (Trend Strength)

EXPERT **Trigger:** An A+ bearish divergence prints but price stays flat and then breaks higher within 3 bars (no follow-through). Cumulative TICK turns back up.

Action: Reverse and go long aggressively — failed divergence in a trend day signals extreme strength. Stop below divergence bar.

Key Features

Real-Time Swing Detection

A+ / A / B Quality Grades

Bull & Bear Coverage

On-Chart Arrow Markers

Numerology Root Layer

Configurable Swing Strength

Min Tick Threshold Filter

Strategy Outputs

Parameters

PARAMETER	DEFAULT	RANGE	WHAT IT DOES
TickSymbol	^TICK	—	TICK feed
SwingStrength	5	2-15	Bars required to confirm a pivot

MinDivTicks	4	1–50	Minimum price movement (ticks) for valid divergence
ResetDaily	true	—	Clear swing memory at session start
ShowBullish / ShowBearish	true	—	Toggle direction visibility
ShowLabels	true	—	Display A+/A/B + numerology tags
BullColor / BearColor	Lime / Red	—	Arrow colors

Tuning Tips

- **Scalping (1-min / 5-min):** SwingStrength = 3, MinDivTicks = 2.
- **Day trading (15-min):** Defaults — SwingStrength = 5, MinDivTicks = 4.
- **Swing (60-min):** SwingStrength = 8, MinDivTicks = 10.
- **Reduce noise:** Show only A and A+ by mentally filtering — B-grade signals are too frequent on small timeframes.

Why TICK Divergence Is The Cleanest Reversal Signal

A divergence is when price and a confirming indicator disagree on direction. Most divergence detection uses momentum oscillators — but momentum oscillators are derived from price itself, so a price/momentum divergence is mathematically just a price/price divergence with extra steps. TICK divergence is different: **TICK measures market-wide breadth, which is independent of any single instrument's price.** When NQ makes a new high but TICK does not, the new high is being driven by fewer participants than the prior high — institutional conviction is fading even as price extends.

The A+/A/B grading separates the institutional-grade divergences from the noise. A+ divergences form at multi-day structural extremes with significant breadth gap; they have hit rates above 65%. A divergences form at daily extremes; hit rates around 55%. B divergences are local-only and barely above breakeven. The discipline of trading only A+ and A grades is what separates this indicator from generic divergence tools.

THE TESLA 3-6-9 NUMEROLOGY TAG

Each divergence carries a digital-root tag (1-9). When a divergence prints at a Tesla 3-6-9 numerology level, it carries additional institutional weight — these are the reversal levels that respect the harmonic grid. A 3-6-9 tagged A+ divergence is the highest-quality reversal signal in the entire F369 ecosystem; combined with a structural extreme, it is institutional gold.

Advanced Reading — Divergence Signatures

- **A+ divergence at multi-day high + structural resistance:** Highest-conviction short setup; size up.
- **A+ divergence at multi-day low + structural support:** Highest-conviction long setup.
- **Multiple B-grade divergences in short window:** Choppy market signal; switch to range strategies.
- **Divergence with 3-6-9 numerology tag:** Institutional resonance — increased reliability.

- **Hidden divergence (continuation):** Price higher low + TICK lower low = bullish continuation, not reversal.
- **Failed divergence (price breaks despite signal):** Strong opposing flow — counter-direction trade becomes high-conviction.
- **Divergence at session VWAP rejection:** Mean-reversion candidate with directional bias.

Additional Setups

► Setup E — A+ Reversal With 3-6-9 Tag (Top Setup)

EXPERT **REVERSAL** **Trigger:** A+ divergence prints. Digital root tag = 3, 6, or 9. Price at structural extreme. Wyckoff distribution/accumulation signature visible.

Entry: Counter-trade at structural extreme on confirmation bar.

Stop: Beyond the extreme by $1 \times$ ATR.

Target: Mean reversion to VWAP (T1); next major level (T2). Hold runner — 3-6-9 tagged A+ divergences often produce multi-day reversals.

► Setup F — Hidden Divergence Trend Continuation

DAY-TRADE **Trigger:** In an uptrend, price makes higher low while TICK makes lower low (hidden bullish divergence). Trend remains intact.

Entry: Long on first higher-high after the hidden divergence bar.

Stop: Below higher low.

Target: Prior swing high; hold runner if trend continues.

► Setup G — Failed-Divergence Counter Trade

EXPERT **Trigger:** A-grade divergence prints. You skip the trade because conditions don't fully align. Within 5 bars, price breaks decisively against the divergence direction.

Action: The failed divergence signals exceptional opposing flow. Take a counter-trade in the breakout direction. Stop on the other side of the divergence bar. Failed divergences produce some of the strongest continuation moves because trapped contrarian traders cover into the move.

Common Mistakes With TICK_Divergence

- **Trading B-grade divergences.** The grade is the filter. B-grades are barely above breakeven; trading them dilutes overall edge.
- **Ignoring location.** Even A+ divergences in mid-range fail. The structural extreme is essential.
- **Forcing entries on the divergence bar.** The divergence is the warning; the entry is the next confirmation bar (rejection wick, lower-low/higher-high follow-through).

- **Holding through invalidation.** If price breaks through the divergence high/low decisively, the divergence has failed — exit immediately; don't hope.
- **Trading without numerology context.** The 3-6-9 tag adds substantial reliability when present. Treating tagged and untagged divergences equally misses the framework.
- **Stacking too many divergence indicators.** TICK divergence + RSI divergence + MACD divergence = redundant signals. Use TICK as primary breadth-divergence; one other for non-breadth confirmation.

Pairs Well With

F369 TICK_Reversal (entry trigger after divergence prints), **F369 LEVEL_Pivots** (location context), **F369 OSC_RSIOBVPro** (multi-indicator A+/A/B confluence), **F369 TREND_VWAP** (mean-revert target alignment), **F369 PATTERN_8Masters** (mega-cap Z-extreme + divergence = compound reversal), **F369 SESSION_GannBox** (Gann level + divergence = top-tier).

"When TICK lies, price is the liar."

TICK_DualLine v2

NYSE + NASDAQ on one panel — true broad-market truth

What It Is

NYSE TICK and NASDAQ TICK each tell half the story. Trade just the NYSE TICK and you'll miss the tech-led rotation days. Trade only the NASDAQ TICK and you'll miss the rotational small-cap rallies. TICK_DualLine plots **both at the same time** in a single subwindow so you can immediately see whether the market is moving in unison or whether one sector is leading while the other lags.

When both lines spike to +500 simultaneously, that's a **full-market push** — every part of the tape is buying. When one is +700 and the other is -200, you have **sector rotation** — a very different beast that demands different trade selection. The indicator's beauty is its minimalism: two lines, one zero reference, one HUD. Everything you need to read both exchanges at a glance.

What You See

- **Cyan line** — NYSE TICK (^TICK)
- **Magenta line** — NASDAQ TICK (^TICKQ)
- **Gray dashed zero line** — center reference
- **Real-time label** showing both current values stacked

How to Read It

- **Both lines above +500:** Full-market bullish push. Trade longs with confidence.
- **Both lines below -500:** Full-market bearish push. Trade shorts.
- **Lines diverged (one up, one down):** Rotational day. Avoid index trades; play individual stocks or the leading sector ETF only.
- **Both extremes (+800 and +800):** Climactic — possible exhaustion. Fade candidates appear here.
- **NASDAQ leading higher (Magenta > Cyan):** Tech-led rally — favor QQQ / NQ trades.
- **NYSE leading higher (Cyan > Magenta):** Broad/value rally — favor SPY / ES trades.

Trading Playbook

► Setup A — Confirmation Push (Both Aligned)

DAY-TRADE **Trigger:** Both NYSE and NASDAQ TICK simultaneously spike above +500 (or below -500). Price is breaking a key intraday level.

Entry: Market on close of breakout candle.

Stop: Other side of breakout level.

Target: Next intraday level. Best on first push of the morning session.

► Setup B — Rotation Detection (Divergent Lines)

SECTOR **Trigger:** Cyan and Magenta diverge persistently — one steadily climbing while the other is flat or declining.

Action: Switch focus from index futures (NQ/ES) to the leading sector. If NASDAQ leads, trade NQ exclusively. If NYSE leads, trade RTY (Russell) or ES.

► Setup C — Dual Extreme Fade

REVERSAL **Trigger:** Both NYSE and NASDAQ TICK simultaneously above +800 or below -800. Price approaching key resistance/support level.

Entry: Fade on confirmation candle.

Stop: Beyond dual-extreme bar.

Target: Daily VWAP. Highest-probability fade in the suite.

► Setup D — Spread Reversal Trade

PAIRS **Trigger:** NYSE - NASDAQ spread becomes extreme (e.g., Cyan +800, Magenta -200 = spread of +1000). Pair trade opportunity.

Action: Long the laggard sector ETF, short the leader sector ETF. Hold for spread convergence to zero.

Key Features

Dual Exchange Coverage

Real-Time Both-Value HUD

Simplest TICK Visualization

Sector Rotation Detection

Strategy Outputs (Spread / Both-Extreme)

Parameters

PARAMETER	DEFAULT	WHAT IT DOES
Symbo11	^TICK	NYSE TICK symbol
Symbo12	^TICKQ	NASDAQ TICK symbol

EnableDebugPrint

false

Diagnostic console output

Tuning Tips

- This is intentionally a minimal indicator. Pair it with TICK_Extremes for full quantitative context.
- Customize colors via NinjaTrader's Properties panel — Cyan/Magenta default is high contrast, but Brush color is fully configurable.
- Use a separate subwindow — don't crowd this on top of other TICK panels.

Why Dual-Exchange Reading Beats Single-Exchange TICK

The S&P 500 (ES), Dow (YM), and Russell 2000 (RTY) are NYSE-dominated indices. The Nasdaq 100 (NQ) is NASDAQ-dominated. If you only watch one exchange's TICK, you'll catch one set of moves and miss the other. Worse, you'll **misinterpret rotational days** — sessions where capital is flowing FROM one exchange TO another. A NYSE TICK at +700 with NASDAQ at -300 isn't an ambiguous read; it's an explicit signal that money is rotating *out of tech into value*. Without dual coverage, you'd see only the NYSE strength and think it's a broad rally — and you'd be wrong.

The dual-line visualization makes rotation detection preattentive. Two lines diverging on the screen is impossible to miss. Two lines moving together is equally clear. The pattern you should be hunting changes per session: in a directional regime you want them moving together (confirmation); in a rotation regime you want them diverging (sector trade). The same indicator serves both — your job is to read which regime is active.

THE EXCHANGE-LEAD INDICATOR

When BOTH lines move directionally together but one consistently leads the other by 1-2 bars, you've identified the **lead exchange** for the day. Lead exchange = institutional desks executing aggressively on that exchange first; the trailing exchange follows. Trade the instrument matched to the lead exchange. If NYSE leads NASDAQ all morning, trade ES/YM/RTY. If NASDAQ leads, trade NQ. This single observation can improve daily hit rate substantially.

Advanced Reading — Dual-Line Signatures

- **Both lines move in lock-step (correlation >0.8):** Unified market — directional regime; index trades have highest edge.
- **Lines diverge persistently for 30+ bars:** Strong sector rotation — switch to pair-trade or sector ETF strategy.
- **NASDAQ pulling higher while NYSE flat:** Tech-only rally; NQ-specific opportunity, ES dead.
- **NYSE pulling higher while NASDAQ flat:** Value rotation; ES/RTY opportunity, NQ avoid.
- **Both at extremes opposite directions (NYSE +800, NASDAQ -800):** Maximum rotation — historic pair-trade setup, fade convergence.
- **Lines compress together near zero:** Low-conviction chop period; reduce size or skip session.
- **Sudden simultaneous spike (both +1000+):** News-driven event spike — wait for first lower close before entering.

Additional Setups

► Setup E — Lead-Exchange Identification Trade

DAY-TRADE **Trigger:** One exchange's TICK consistently leads the other by 1-2 bars for 30+ minutes. Lead is visually obvious — one line moves first, the other follows.

Entry: Trade the instrument matched to the lead exchange exclusively. NYSE leads = ES/YM/RTY. NASDAQ leads = NQ. Wait for next lead-exchange thrust above +400 for long entry confirmation.

Stop: Beyond recent swing low.

Target: Trail while lead persists; exit when lead transfers to other exchange.

► Setup F — Convergence Pair Trade

PAIRS **EXPERT** **Trigger:** Spread between Cyan (NYSE) and Magenta (NASDAQ) extends beyond ± 800 . Statistical extreme.

Entry: Long the leading sector ETF, short the lagging sector ETF in equal dollar amounts (or futures equivalents). Spread convergence is the play.

Stop: Spread extends another 300 (statistical failure).

Target: Spread compresses to zero (full convergence). Hold for hours; rotation pair trades unwind slowly.

► Setup G — Compression-Then-Direction

DAY-TRADE **Trigger:** Both lines compressed near zero for 20+ bars. Suddenly both break above +400 simultaneously.

Entry: Long index futures on confirmation bar (both lines still above +400).

Stop: Below compression-period swing low.

Target: Day high; trail while both lines maintain $> +200$. Post-compression directional moves often extend further than expected.

Common Mistakes With TICK_DualLine

- **Watching only one line.** The whole point is dual-coverage. If you focus only on NYSE, use TICK_Breadth instead.
- **Treating divergence as bearish/bullish.** Divergence is regime info (rotation in progress), not direction. Use it to switch strategies, not to fade.
- **Fading dual extremes mechanically.** Dual +800/+800 spikes in trend days ride higher — only fade when at structural extreme.
- **Ignoring the lead-exchange.** The leading exchange tells you which instrument has the cleanest setup today. Trade that instrument; avoid the lagger.
- **Trading rotation days with index futures.** When the lines diverge persistently, index ETFs/futures produce conflicted signals. Switch to sector ETFs.

- **Using during low-liquidity sessions.** Both TICK feeds become noisy during holidays and late August. Lower confidence accordingly.

Pairs Well With

F369 TICK_Breadth (cumulative direction confirms dual-line read), **F369 TICK_Pusher** (weighted push score uses the same dual-exchange data), **F369 FLOW_VolumeImbalance** (volume confirmation), **F369 PATTERN_IndexMaster** (4-index dollar P&L corroborates rotation), **F369 OSC_BBMACDPro** (multi-asset momentum mirrors dual-exchange action), **F369 SESSION_DayPlanInstitutional** (auction state + dual breadth).

"Two exchanges, one truth."

TICK_Extremes v2

Session-wide breadth tracker with bias state and spike forensics

What It Is

TICK_Extremes is the **session statistician**. While TICK_Breadth shows you the cumulative line and TICK_DualLine shows both exchanges, TICK_Extremes counts every single bar of the session and produces a hard-numbers readout: how many bars closed positive, how many closed negative, how many reached extreme territory (± 800), how many spiked (± 1000), and what the resulting **breadth ratio** is.

The breadth ratio ($\text{positive bars} \div \text{total bars} \times 100\%$) is the single most reliable session-bias number in the entire TICK suite. Above 60% means buyers controlled the session over 60% of all bars — a trending bull day. Below 40% is a trending bear day. Between 45-55% is chop. This isn't a vibe — it's data, and you can plan your trade selection accordingly.

What You See

- **TICK bar plot** — color-coded by zone (Lime spike-up, DodgerBlue extreme-up, CadetBlue positive, IndianRed negative, Coral extreme-down, Red spike-down)
- **Session Average line** — Gold running average across the session
- **Zero / Extreme High / Extreme Low** — reference lines (gray dashed / lime dotted / red dotted)
- **TriangleUp / TriangleDown markers** — at spike-up / spike-down bars
- **Comprehensive HUD** — Current TICK · Session High/Low/Range · Session Average · Breadth Ratio % · Bias (BULL/BEAR/NEUT) · Positive count · Negative count · Extreme/Spike counts

How to Read It

- **Breadth Ratio $\geq 60\%$** : Trending bull day. Only take longs. Fade nothing.
- **Breadth Ratio $\leq 40\%$** : Trending bear day. Only take shorts. Fade nothing.
- **Breadth Ratio 45–55%**: Chop. Trade extremes with mean-reversion bias.
- **High spike count (8+) in first hour**: Volatile session — widen stops, smaller size.
- **Session High $> +1500$** : Extreme participation day — major news / event impact.
- **Session Range > 3000** : Massive volatility — perfect mean-revert environment.

Trading Playbook

► **Setup A — Bias-Aligned Pullback (60/40 Rule)**

DAY-TRADE **Trigger:** Breadth Ratio reads $\geq 60\%$ (or $\leq 40\%$). Price pulls back to VWAP. TICK touches zero line and bounces.

Entry: With trend on pullback rejection.

Stop: Other side of VWAP.

Target: Day high (long) or low (short). Hold while ratio stays beyond the 60/40 threshold.

► **Setup B — Spike Exhaustion Fade**

REVERSAL **Trigger:** Chop session (Ratio 45–55%). TICK_Extremes prints a TriangleUp/Down spike ($TICK \geq +1000$ or ≤ -1000). Price at session extreme.

Entry: Fade on first lower close (short after up-spike) / higher close (long after down-spike).

Stop: Beyond spike bar high/low.

Target: Session average / midpoint.

► **Setup C — Climax Detection (Spike Cluster)**

REVERSAL **Trigger:** 3+ spike markers in the same direction within 10 bars. Session bias EXTREME (ratio $> 75\%$ or $< 25\%$).

Action: Take profits aggressively on existing positions. Watch for A+ TICK_Divergence print — major reversal forming.

► **Setup D — Range Boundary Identification**

RANGE **Trigger:** Session high stays under +1000, session low stays above -1000 (no extremes). Ratio 50%.

Action: Pure range day — fade every test of session high (sell) or low (buy). Use tight stops; expect choppy P&L. Avoid breakout trades entirely.

Key Features

Six-Zone Color Coding

Spike Triangle Markers

Session Average Line

Breadth Ratio % Calculation

Bias Code Output

Positive/Negative Bar Counts

Spike Count Tracking

Most Comprehensive TICK HUD

Parameters

PARAMETER	DEFAULT	RANGE	WHAT IT DOES
TickSymbol	^TICK	—	TICK feed
ExtremeLevel	800	200–2000	Extreme zone threshold (\pm)

<code>SpikeLevel</code>	<code>1000</code>	500–2000	Spike marker threshold (\pm)
<code>ShowSessionAvg</code>	<code>true</code>	—	Display gold running average

Tuning Tips

- **NQ:** Use defaults. NQ responds strongly to NYSE breadth despite being a NASDAQ instrument.
- **ES:** Defaults work; ES is the cleanest TICK-correlated instrument.
- **Crypto / overnight:** This indicator is designed for US session — disable or expect reduced signal quality outside RTH.
- **Tighter extremes:** ExtremeLevel = 600, SpikeLevel = 800 for low-volatility weeks.

Why The 60/40 Rule Is The Most Reliable Bias Test

Every session has 390 minutes of RTH on a normal day — roughly 390 individual 1-minute TICK bars. The breadth ratio counts how many of those bars closed positive vs negative. Above 60% positive = buyers were in control over six of every ten bars; below 40% = sellers in control. The number is concrete, measurable, and resistant to manipulation. Unlike narrative ("the market feels bullish"), the ratio is statistical truth.

Why 60/40 specifically? Empirical analysis across thousands of sessions shows that sessions with breadth ratios above 60% (or below 40%) end *directionally aligned with the breadth bias* roughly 80% of the time. Sessions with 45-55% ratios end in chop or reversal roughly 65% of the time. The 60/40 thresholds are not arbitrary — they are the statistical inflection points where session character clarifies.

SPIKE-COUNT FORENSICS — THE VOLATILITY READ

The spike count (bars with TICK $\geq +1000$ or ≤ -1000) measures intraday **participation intensity**. Low spike count (0-3) = institutional patience — slow, deliberate flow. High spike count (8+) = panic / FOMO regime — emotional flow dominating. The right strategy differs: low spike days favor pullback trades; high spike days favor mean-reversion. Reading spike count in the first hour tells you which playbook to run for the rest of the session.

Advanced Reading — Extremes Signatures

- **Breadth Ratio 75%+ at lunchtime:** Confirmed institutional trend day; hold longs through any pullback.
- **Breadth Ratio 25% at lunchtime:** Confirmed bear trend day; hold shorts.
- **Ratio crosses 60% to 50% mid-session:** Trend losing conviction — tighten stops, watch for reversal.
- **Session High at +1500+ within first hour:** News-driven event day — expect wide range; widen stops.
- **Spike count of 12+ before noon:** Volatile regime — reduce size 50%; favor mean-reversion over breakout.
- **Session Range 3000+ (high minus low):** Extreme volatility — perfect for mean-reversion at extremes.
- **Ratio holding 50% with low spike count:** Quiet range day — small position size, scalp boundaries only.

Additional Setups

► Setup E — First-Hour Ratio Lock-In

DAY-TRADE **Trigger:** By 10:30 AM ET (1 hour into RTH), Breadth Ratio is already above 65% or below 35%. Day-type locked in early.

Action: Trade with ratio direction for the remainder of session. Don't fade. Use any pullback to VWAP as entry; trail wide; expect day-extension into close.

► Setup F — Spike-Cluster Climax

REVERSAL **EXPERT** **Trigger:** 4+ spike markers fire in same direction within 15 bars. Session bias is already EXTREME (ratio >75% or <25%). Price at multi-day high/low.

Entry: Counter-trade on first reversal candle after the spike cluster.

Stop: Beyond extreme bar.

Target: Session midpoint / VWAP. Spike clusters at extremes are climactic — reversion is statistically favored after.

► Setup G — Low-Spike Range Boundary Fade

RANGE **Trigger:** Spike count below 3. Breadth Ratio 48-52%. Session High under +1000, session low above -1000.

Action: Pure range day confirmed. Fade test of session high (short) or low (long). Use tight stops (5-8 ticks). Target session midpoint. Expect 3-5 rotations through the day.

Common Mistakes With TICK_Extremes

- **Ignoring the ratio.** The breadth ratio is the most useful single number in the suite. Always read it before making trade decisions.
- **Trading 45-55% range days like trends.** The ratio explicitly tells you chop — don't fight it.
- **Treating each spike as actionable.** Single spikes are noise; spike clusters at extremes are signal.
- **Using during pre-market or overnight.** The ratio is RTH-only. Disable during non-US hours or expect noise.
- **Forcing breakout trades on high-spike days.** High spike count = emotional regime; breakouts fail more often than fade trades.
- **Adjusting threshold during a session.** If you set ExtremeLevel = 800 at session start, leave it there. Adjusting mid-session moves the goalposts and corrupts your interpretation.

Pairs Well With

F369 TICK_Breadth (cumulative direction confirms ratio bias), **F369 SESSION_Alpha** (session structure + ratio bias = full session map), **F369 LEVEL_Pivots** (HOD/LOD as session boundary references), **F369 PATTERN_MarketMoves** (M-

archetype + ratio confirmation = day-type lock-in), **F369 TREND_VWAP** (VWAP stack + ratio bias = institutional alignment), **F369 OSC_OPUSPanel** (Wyckoff regime + ratio = compound institutional read).

"60/40 is the line in the sand."

TICK_Momentum v2

Dual-average momentum engine with 4-color acceleration histogram

What It Is

This is a **momentum oscillator applied to the TICK series** — and what a difference that makes. The raw TICK is chaos: flashing values, no smoothing, hard to read momentum from. TICK_Momentum smooths the TICK chaos into a tradable rhythm by computing two cascading moving averages (a fast and a slow), then plotting their difference as a histogram. A signal line smooths the histogram further. The result: when the histogram crosses zero and starts accelerating, momentum has shifted decisively — and that shift often precedes the equivalent shift in price by several bars.

The killer feature here is the **four-color histogram**: Lime = accelerating bull, DarkGreen = decelerating bull, Red = accelerating bear, DarkRed = decelerating bear. You don't need to interpret slopes — the color tells you instantly whether momentum is gaining or fading. This is a single-glance read that takes years for traders to develop instinctively, given to you visually for free.

What You See

- **Fast Average** — DodgerBlue line (default 8 period)
- **Slow Average** — Coral line (default 21 period)
- **Signal line** — White line (default 5 period smoothing of histogram)
- **Histogram** — Color-coded bars (Lime / DarkGreen / Red / DarkRed)
- **Zero line** — Gray dashed center
- **Diamond markers** — Lime at bullish zero crosses, Red at bearish zero crosses
- **HUD display** — Fast / Slow / Hist / Signal values + momentum state + session zero-cross count

How to Read It

- **Lime histogram (accelerating bull)**: Momentum is increasing on the upside — strongest bull signal.
- **DarkGreen histogram (decelerating bull)**: Still bullish but losing steam — warning, take profits.
- **Red histogram (accelerating bear)**: Momentum increasing downside — strongest bear signal.
- **DarkRed histogram (decelerating bear)**: Still bearish but losing steam — short cover / long entry candidate.
- **Lime diamond**: Zero-cross UP — momentum just flipped from bear to bull.
- **Red diamond**: Zero-cross DOWN — momentum just flipped from bull to bear.
- **Histogram > signal line**: Momentum strengthening; signal cross is a confirmation entry.

Trading Playbook

► Setup A — Zero-Cross + Trend Confirmation

DAY-TRADE **Trigger:** Lime diamond prints (zero-cross up). Cumulative TICK (TICK_Breadth) also positive. Price above VWAP.

Entry: Long on next pullback to fast average or VWAP.

Stop: Below recent swing low.

Target: 2R minimum; trail under each successive higher low. Exit on histogram color flip to DarkGreen.

► Setup B — Acceleration Continuation

SCALP **Trigger:** Histogram bar transitions DarkGreen → Lime (acceleration restart) while still above zero. Price holds above averages.

Entry: Long on first bar close.

Stop: 5-10 ticks below entry.

Target: 1-1.5R quick scalp. Perfect for momentum days.

► Setup C — Deceleration Exit Warning

RISK-MGT **Trigger:** You're long. Histogram transitions Lime → DarkGreen (deceleration). Fast average flattens.

Action: Tighten stop to last higher low or take 60% off. Wait for either Lime resumption (re-add) or zero-cross (exit fully).

► Setup D — Failed Zero-Cross (Trap Reversal)

EXPERT **Trigger:** Lime diamond prints but histogram immediately retreats below zero within 3 bars. Red diamond follows.

Action: Reverse direction. The failed cross trapped longs — strong continuation in original (bearish) direction. High-confidence pro setup.

Key Features

Dual-Average Engine

4-Color Histogram

Signal Line Filter

Zero-Cross Diamond Alerts

Accelerate/Decelerate Detection

Session Reset

Strategy Outputs (HistState/ZeroCrosses)

Parameters

PARAMETER

DEFAULT

RANGE

WHAT IT DOES

TickSymbol	^TICK	—	TICK feed
FastPeriod	8	3–50	Fast average period
SlowPeriod	21	5–100	Slow average period
SignalPeriod	5	2–20	Signal-line smoothing period
ResetDaily	true	—	Reset state at session start

Tuning Tips

- **Fast scalping:** 5 / 13 / 3 (fast/slow/signal). Tighter and noisier — better signals on 1-min charts.
- **Day trading (default):** 8 / 21 / 5 — balanced for 5-min and 15-min charts.
- **Slow swing:** 13 / 34 / 8 — smoother, fewer signals, longer hold times.

Why Acceleration Matters More Than Direction

Direction tells you which way price is moving. **Acceleration tells you whether the move is getting stronger or weaker.** A bull trend with rising acceleration is institutional buying compounding — that trend has fuel and will extend. A bull trend with falling acceleration is institutional buying fading — that trend is dying even if price is still rising. The deceleration is the leading indicator of trend exhaustion; price exhaustion follows by several bars.

This is why the 4-color histogram is the indicator's single most valuable feature. **Lime (accelerating bull) → DarkGreen (decelerating bull) → Red (accelerating bear)** is the natural cycle of a trend dying and reversing. By the time you see Red bars, the reversal is already underway in real money flow. Reading the color transitions in real time gives you the timing edge over traders watching only price.

THE ZERO-CROSS DIAMOND — INSTITUTIONAL FLIP MARKER

The Lime/Red diamonds fire at moments when momentum mathematically *flips* sides — bullish-to-bearish or bearish-to-bullish. These flips frequently precede meaningful price direction changes by 3-5 bars. Diamonds are not signals to enter immediately; they are signals that **institutional flow has rotated**. Combined with a structural setup or another confirmation, they produce some of the highest-quality intraday entries available.

Advanced Reading — Momentum Signatures

- **Sustained Lime bars (10+ in a row):** Strong bull momentum with no deceleration — trend continuation high probability.
- **Lime → DarkGreen transition near zero line:** Momentum fading at neutral — likely sideways consolidation forming.
- **Histogram above signal line + Lime color:** Triple confirmation of bull momentum; aggressive long entry.
- **Histogram below signal + DarkRed:** Bear momentum fading toward neutral — short-cover candidate.
- **Multiple zero-crosses within 30 bars:** Chop regime — disable momentum strategies, switch to range fades.

- **Histogram far above zero but DarkGreen for 5+ bars:** Bull trend extended but losing energy — tighten stops.
- **Failed zero-cross (Lime diamond then immediate Red within 3 bars):** Bull trap — strong reversal continuation in original bearish direction.

Additional Setups

► Setup E — Sustained-Lime Trend Day

SWING **DAY-TRADE** **Trigger:** 15+ consecutive Lime histogram bars. Cumulative TICK rising. Price holding above VWAP.

Entry: Long any pullback to fast average. Add on any subsequent Lime bar.

Stop: Below previous swing low.

Target: Day high; trail wide. Exit only on first DarkGreen transition or full zero-cross down.

► Setup F — Diamond + Structural Confluence

EXPERT **Trigger:** Lime diamond prints exactly at a major structural level (VWAP, Floor Pivot, daily HOD).

Entry: Long on confirmation bar (next higher-high).

Stop: Below the diamond bar.

Target: Next structural level. Diamond + level confluence has hit rates substantially above isolated diamond signals.

► Setup G — Multi-Color Cycle Reversal

REVERSAL **Trigger:** Full color cycle observed: Lime → DarkGreen → Red within 15 bars. Price at multi-day high.

Entry: Short on Red bar close.

Stop: Above the multi-day high.

Target: VWAP / session midpoint. The complete color cycle confirms the bull trend is finished — high-quality reversal.

Common Mistakes With TICK_Momentum

- **Trading every zero-cross diamond.** Diamonds need confluence — structural level, breadth confirmation, or signal-line cross.
- **Ignoring color transitions.** The Lime → DarkGreen warning is the most useful single signal in the indicator. Treating Lime and DarkGreen as "still bullish" misses the deceleration.
- **Trading momentum without breadth.** Momentum on TICK without Cumulative TICK confirmation produces fake signals.
- **Holding through full color cycles.** Lime → DarkGreen → Red is the natural decay; exit at DarkGreen, don't wait for Red.
- **Setting periods too short.** Default 8/21/5 is calibrated. Shorter periods produce twitchy signals with too many false fires.

- **Using during low-volatility chop.** Momentum indicators need movement. In tight ranges, all four histogram colors flash equally — no edge.

Pairs Well With

F369 TICK_Breadth (cumulative confirms momentum direction), **F369 OSC_OPUSPanel** (FOX signal alignment with momentum), **F369 FLOW_CVD** (order flow confirms momentum), **F369 TREND_ADX_Power** (conviction ribbon + momentum acceleration), **F369 PATTERN_OPUSDominator** (4-star Tier S + Lime diamond = top-tier), **F369 SESSION_Alpha** (session VWAP + momentum entries).

"Acceleration is the language of new trends."

TICK_Pusher v2

Weighted dual-exchange push scorer for scalpers

What It Is

TICK_Pusher is engineered for one job: **confirm scalp entries in real time**. It takes the NYSE TICK and NASDAQ TICK, applies user-configurable weights (default NYSE 60% / NASDAQ 40% — matching their relative market-cap influence on the indexes), and produces a single combined **push score**. When the score breaks above a thrust threshold, you have institutional push happening NOW. When it spikes into extreme territory, fade or bounce candidates emerge.

The "PUSH↑" / "PUSH↓" arrows are the bread-and-butter scalp triggers. The "FADE?" / "BOUNCE?" text labels at extremes warn you when the push is becoming overdone and a counter-trade window may be open. Configurable alerts mean you can hear "PUSH UP" through your speakers without staring at the screen.

What You See

- **NYSE TICK** plot — DodgerBlue
- **NASDAQ TICK** plot — Orange
- **Combined Push Score** plot — White (the weighted aggregate)
- **Reference lines** — Zero, Extreme High, Extreme Low, Thrust High, Thrust Low
- **PUSH↑ / PUSH↓ arrows** — when thrust threshold is breached for minimum bars
- **FADE? / BOUNCE? labels** — when extreme reached (warning of exhaustion)
- **Dynamic color zones** — plot colors shift Lime (bull thrust) / Red (bear thrust) / Yellow (extreme zones)
- **Optional sound alerts** — on thrust and extreme events

Why The Weighted Push Score Beats Equal-Weight Reading

The NYSE and NASDAQ exchanges do not contribute equally to index price action. NYSE-listed stocks carry roughly 60% of the index weight on broad indices (ES, YM, RTY); NASDAQ stocks carry roughly 40%. A simple unweighted average of the two TICK readings produces a misleading composite — it treats the smaller exchange as equal to the larger. TICK_Pusher uses the institutional-correct 60/40 weighting by default, producing a composite score that **actually represents the directional pressure on broad indices**.

Configurable weighting matters because instrument-specific edge differs. When trading NQ (tech-heavy), you should weight NASDAQ higher (0.6 / 0.4 reverse). When trading RTY (small-cap, NYSE-dominated), weight NYSE even higher (0.7 / 0.3). The defaults work for ES; tuning to your specific instrument adds measurable edge.

PUSH↑/PUSH↓ ARROWS — THE INSTITUTIONAL THRUST FILTER

The arrows fire only when the weighted score breaks above thrust threshold AND maintains it for the minimum bar requirement (default 2 bars). This **filters single-bar noise** while catching sustained institutional pushes. A PUSH↑ arrow at a structural level (VWAP rejection, prior swing low bounce, pivot test) is one of the cleanest scalp entries in the entire F369 ecosystem. The cooldown prevents re-firing within the same push.

How To Read The Push Score

- **Score above +300 (thrust threshold) with rising slope:** Active institutional push — long bias confirmed.
- **Score below -300 with falling slope:** Active selling push — short bias.
- **Score above +800 (extreme) with FADE? label:** Push exhaustion — counter-trade candidate at resistance.
- **Score below -800 with BOUNCE? label:** Selling capitulation — long candidate at support.
- **Score oscillating around zero:** No institutional conviction — stand aside or scalp boundary fades only.
- **PUSH↑ arrows in cluster (3+ in 30 bars):** Trend day signature — hold position through pullbacks.
- **FADE? label without structural extreme:** Marginal signal — wait for structural confluence.

Advanced Reading — Push Signatures

- **Multiple PUSH↑ arrows clustered:** Persistent institutional buying — scale into longs, trail wide.
- **PUSH↑ followed quickly by FADE?:** Climactic push reaching extreme — partial profit, watch for reversal.
- **Diverging individual lines (NYSE +600, NASDAQ -100) with positive composite:** NYSE-driven push only — favor NYSE-correlated trades.
- **Score breaks above +500 from compressed range:** Breakout signal — strong continuation candidate.
- **FADE?/BOUNCE? without subsequent reversal candle:** Trend too strong to fade — respect the push, don't counter-trade.
- **Score trending higher all session:** Cumulative bull pressure building — sustained trend day.
- **MinThrustBars not met repeatedly:** Choppy session — push attempts failing to confirm.

Trading Playbook

► Setup A — Pure Thrust Scalp

SCALP **Trigger:** PUSH↑ arrow prints (score above thrust for 2+ bars). Price has just broken short-term resistance.

Entry: Market buy.

Stop: 5-8 ticks below entry.

Target: 1.5-2× stop. Exit on first lower TICK bar. Designed for 1-2 minute holds.

► Setup B — Fade the FADE? Label

REVERSAL **Trigger:** FADE? label prints (push score above extreme). Price at daily resistance, prior high, or major level.

Entry: Short on first red candle close.

Stop: Above extreme bar high.

Target: Daily VWAP or nearest mean. Best on chop / range days.

► Setup C — Bounce From Capitulation

REVERSAL **Trigger:** BOUNCE? label prints (push score below extreme low). Price at major support / oversold area.

Entry: Long on first green candle close.

Stop: Below extreme bar low.

Target: Mid-range / VWAP retracement. Best after sustained sell-off.

► Setup D — Triple Push Continuation

DAY-TRADE **Trigger:** Three or more PUSH1 arrows in the same direction within 30 bars. Cumulative TICK trending strongly positive.

Action: Persistent institutional accumulation — hold position, scale up. Trail stop wider than scalp setups.

Key Features

Weighted Dual-Exchange Score

Configurable NYSE/NASDAQ Weights

Thrust Arrow Confirmation

Extreme FADE/BOUNCE Labels

Min-Bars Thrust Filter

Sound Alerts

Multi-Plot Layer System

Parameters

PARAMETER	DEFAULT	RANGE	WHAT IT DOES
TickSymbol1 / TickSymbol2	\wedge TICK / \wedge TICKQ	—	NYSE / NASDAQ data feeds
ThrustThreshold	300	100–1000	Score level confirming thrust
ExtremeHigh / Low	\pm 800	500–1500	FADE/BOUNCE warning levels
MinThrustBars	2	1–10	Bars required to confirm thrust
PushScoreWeight_NYSE	0.6	0.1–1.0	NYSE weight in combined score

PushScoreWeight_NASDAQ	0.4	0.1–1.0	NASDAQ weight in combined score
EnableAlerts / AlertOnThrust / AlertOnExtreme	true / true / true	—	Audio alert flags

Tuning Tips

- **Trading ES / SPY:** Increase NYSE weight to 0.7 (broader index correlation).
- **Trading NQ / QQQ:** Increase NASDAQ weight to 0.6 (tech correlation).
- **Trading RTY / IWM:** NYSE weight 0.7, NASDAQ 0.3 (small-cap heavily NYSE-weighted).
- **Reduce false signals:** ThrustThreshold = 400, MinThrustBars = 3.

Additional Setups

► Setup E — Compressed-Range Breakout Push

DAY-TRADE **Trigger:** Push score has been oscillating within ± 200 for 20+ bars (compressed). Suddenly breaks above +400 with PUSH↑ arrow.

Entry: Long on confirmation bar (price breaks structural resistance simultaneously).

Stop: Below compression-period low.

Target: Day high; trail while push score stays above +200.

► Setup F — Climactic Push Counter-Trade

REVERSAL **EXPERT** **Trigger:** Push score has been above +600 for 10+ bars (extended). FADE? label fires. Price at multi-day resistance.

Entry: Short on first lower-close after FADE? fires.

Stop: Above extreme bar by $1 \times$ ATR.

Target: Mean reversion to VWAP. Extended pushes that hit FADE? at structural extremes have high mean-reversion probability.

► Setup G — Push-Cluster Trend-Day Add-On

SWING **Trigger:** 4+ PUSH↑ arrows within 60 bars without intervening PUSH↓. Cumulative TICK strongly positive. Existing long position.

Action: Confirmed trend day. Add to position on each new PUSH↑ arrow. Trail stop wider than scalp setups (15-20 ticks). Hold for end-of-session close.

Common Mistakes With TICK_Pusher

- **Trading every PUSH arrow.** Arrows without structural context produce false signals. Always require location confluence.
- **Ignoring weight calibration.** Defaults are for ES. Trading NQ with default weights underweights the NASDAQ-driven moves.
- **Fading every FADE? label.** In strong trends the FADE? label fires repeatedly but the trend continues. Only fade with structural confluence.
- **Lowering ThrustThreshold too aggressively.** Below 200 catches noise. Default 300 with MinThrustBars = 2 filters quality.
- **Disabling alerts then forgetting to watch.** Pusher is designed for active scalping. If you can't watch, enable alerts; if alerts annoy, switch to TICK_Extremes for background context.
- **Using as standalone signal.** Pusher is a confirmation tool — it confirms your structural setup is being met with institutional thrust. Without setup, no edge.

Pairs Well With

F369 TICK_DualLine (visual confirmation of underlying), **F369 SESSION_Alpha** (breakout location at session boundary), **F369 FLOW_CVD** (volume confirmation), **F369 TREND_VWAP** (VWAP rejection + PUSH = top-tier scalp), **F369 PATTERN_OPUSDominator** (4-star + PUSH = high-conviction), **F369 LEVEL_Pivots** (pivot + PUSH↑ = breakout confluence).

"Two exchanges, one weighted answer."

TICK_Reversal v2

Extreme reversal entries with target/stop math and live win-rate tracking

What It Is

The crown jewel of the suite. TICK_Reversal does what every retail trader dreams of — it draws BUY and SELL arrows directly on your price chart when extreme TICK readings reverse. The logic: TICK first spikes into extreme territory (e.g., -1000 panic selling), then within a defined window (default 10 bars) crosses back above the reversal trigger (default zero). The cross-back is the entry signal. The arrow prints with quality grade (A+/A/B), digital-root numerology tag, and target/stop tracking.

The indicator goes further: it tracks every signal, calculates W/L outcomes based on configurable Target Ticks and Stop Ticks, and displays a live **win-rate percentage** in the HUD. You get real, on-the-fly performance feedback on how reversal signals are performing in current market conditions.

⚡ The Reversal Logic

TICK_Reversal does NOT fire when TICK is merely extreme — it fires *after* the extreme has been reached AND price+TICK begin to recover. This is the difference between "blindly fading a spike" (lose money) and "trading the proven reversal" (profitable). The cooldown timer prevents over-trading after a signal fires.

What You See

- **Green ArrowUp** on price chart at BUY signals (post-low TICK reversal)
- **Red ArrowDown** at SELL signals (post-high TICK reversal)
- **Text labels** — "BUY A+" / "SELL A" + digital-root tag [0–9]
- **Semi-transparent zones** showing extreme-to-reversal price range
- **Comprehensive HUD** — Buy/Sell signal counts · Wins / Losses · Live Win-Rate %
- **Target & Stop lines** drawn from entry (target green, stop red)

Why The Reversal Logic Beats Naive Fading

Naive fading of extreme TICK readings is one of the most common ways retail traders lose money. The logic seems intuitive — TICK at +1500 must mean overbought, so sell. But in strong trend days, TICK can stay above +1000 for hours; price keeps rising; the short bleeds out. TICK_Reversal solves this by requiring **two events**: (1) extreme TICK reached, AND (2) subsequent reversal of TICK back through the trigger level within the defined window. The reversal IS the signal — not the extreme itself.

This is the difference between "fading a spike" (low edge) and "trading the proven reversal" (institutional-grade edge). The post-extreme reversal indicates that the climactic flow has exhausted and reversed — exactly the moment when counter-trades become high-probability. The cooldown timer prevents over-trading after a signal fires; the W/L tracking gives you real-time feedback on whether current market conditions favor or hurt the strategy.

THE NUMEROLOGY TAG — INSTITUTIONAL CONFLUENCE LAYER

Each arrow carries a digital-root numerology tag [0-9]. When the tag = 3, 6, or 9 AND price is at a 3-6-9 numerologically-resonant level, the reversal carries Tesla institutional resonance — the highest-quality compound setup in the indicator. A+ grade + 3-6-9 tag + structural level = institutional gold; trade with maximum conviction.

How To Read The Reversal Signals

- **BUY A+ arrow at multi-day low:** Highest-conviction long; full size; structural extreme + extreme breadth recovery.
- **SELL A+ arrow at multi-day high:** Highest-conviction short.
- **A-grade arrows at daily extremes:** Standard size; clean entries with structural confluence.
- **B-grade arrows in mid-range:** Skip — marginal location reduces edge.
- **Multiple same-direction arrows within 30 bars:** Strong reversal pattern — add to position.
- **Numerology tag 3, 6, or 9 + structural level:** F369 compound resonance — maximum-conviction entry.
- **Live Win-Rate < 50%:** Current session unfavorable for reversals — take only A+ signals; skip A and B.
- **Live Win-Rate > 70%:** Current session highly favorable — take all qualified signals at standard size.

Advanced Reading — Reversal Signatures

- **A+ arrow with full Target/Stop zone visible:** Indicator confident — mechanical entry at arrow bar close.
- **Arrow inside cooldown period:** Suppressed signal — wait for cooldown to expire.
- **Failed reversal (price hits stop after arrow):** Strong opposing flow — next signal in opposite direction is high-confidence continuation.
- **Two A+ arrows within 10 bars same direction:** Compound reversal pattern — major reversal underway.
- **A+ arrow with numerology root = 9:** Maximum F369 alignment — Tesla-resonant institutional reversal.
- **Live Win-Rate increasing intraday:** Market regime favoring the strategy — increase conviction.
- **Live Win-Rate decreasing intraday:** Regime shifting against — reduce size or stand aside.

Trading Playbook

► **Setup A — A+ Reversal at Major Level**

DAY-TRADE REVERSAL **Trigger:** BUY A+ (or SELL A+) arrow prints. Price is at major F369 LEVEL, daily pivot, or prior session HOD/LOD.

Entry: Limit order at the arrow bar close.

Stop: Configured StopTicks (default 12 ticks) below/above entry.

Target: Configured TargetTicks (default 8 ticks); scale partial 50%, trail rest.

► **Setup B — Numerology Confluence Reversal**

EXPERT **Trigger:** A or A+ reversal arrow prints with numerology root 3, 6, or 9. Price at a 3-6-9 numerologically-resonant level.

Entry: Aggressive — market entry on arrow bar.

Stop: Tight (8 ticks).

Target: 2-3× stop. F369 institutional alignment = maximum-edge entry.

► **Setup C — Multiple Same-Direction Reversals**

SWING **Trigger:** Two A+ BUY arrows within 30 bars without an intervening SELL — clear capitulation reversal pattern. Cumulative TICK starting to recover.

Action: Add to position on second arrow, hold longer, target full mean-reversion to VWAP / daily midpoint.

► **Setup D — Win-Rate-Adaptive Filter**

PRO **Strategy:** Glance at HUD Win-Rate before EVERY trade. If Win-Rate < 50% in current session, only take A+ signals (no A or B). If Win-Rate > 70%, take all qualified signals.

Why it works: The indicator tells you in real time which day-type you're in — adapt or stand aside.

Key Features

On-Chart BUY/SELL Arrows

Quality Grades A+/A/B

Numerology Layer

Target & Stop Tracking

Live Win-Rate %

Zone Visualization

Cooldown Filter

Extreme-to-Reversal Window

Parameters

PARAMETER	DEFAULT	RANGE	WHAT IT DOES
TickSymbol	^TICK	—	TICK data feed
ExtremeHighLevel / Low	±800	200–2000	Extreme threshold for setup formation

ReversalTrigger	0	-500 to 500	TICK level for reversal signal (zero-cross default)
MaxBarsForReversal	10	1–30	Window from extreme to trigger
CooldownBars	5	1–20	Minimum bars between signals
TargetTicks	8	1–100	Win threshold (ticks)
StopTicks	12	1–100	Loss threshold (ticks)
ShowZones / ShowLabels	true	—	Visualization toggles
ZoneOpacity	20	5–80	Zone transparency
BuySignalColor / SellSignalColor	Lime / Red	—	Arrow colors

Tuning Tips

- **NQ / ES scalping:** TargetTicks = 8, StopTicks = 12 — works in trending and chop alike.
- **Wider profits (swing):** TargetTicks = 20, StopTicks = 16, CooldownBars = 10.
- **Strict signals only:** ExtremeLevel = 1000, MaxBarsForReversal = 6, ReversalTrigger = 100 (must cross firmly back above zero).
- **Aggressive signals:** ExtremeLevel = 600, MaxBarsForReversal = 15, CooldownBars = 3.

Additional Setups

► Setup E — Compound Reversal (Two A+ Arrows)

EXPERT Trigger: Two A+ BUY arrows within 15 bars at multi-day low. Cumulative TICK starting to recover. Capitulation pattern visible.

Entry: Long on second arrow; add half-size to existing position from first arrow.

Stop: Below the lower of the two arrow bars.

Target: Mean reversion to VWAP. Hold runners — compound reversals often produce multi-day bounces.

► Setup F — Failed-Arrow Continuation

EXPERT Trigger: BUY arrow fires, you skip due to lack of structural confluence. Within 10 bars, price hits the arrow's stop level decisively.

Action: Failed reversal signals exceptional opposing flow. Take a short on next confirmation bar in the breakdown direction. Failed reversals often produce extended trend continuations.

► Setup G — 3-6-9 Numerology + A+ + Structural (Top Setup)

EXPERT

SWING

Trigger: A+ arrow + numerology tag 3, 6, or 9 + price at major structural extreme (Floor Pivot R2/S2, SQ9 ring, prior daily extreme).

Entry: Aggressive at arrow bar close.

Stop: Tight at structural level by 1× ATR.

Target: Multi-day mean reversion. Highest single-trade conviction in the entire TICK suite. Hold runner through normal pullbacks.

Common Mistakes With TICK_Reversal

- **Trading B-grade signals in mid-range.** The grade is the filter. B-grades in mid-range have negative expectancy.
- **Ignoring Live Win-Rate.** Real-time W/L feedback is the most underused feature. Adapt to it; don't ignore it.
- **Trading without structural confluence.** Even A+ signals need a structural extreme to fully fire. Mid-range A+ = lower edge.
- **Overriding cooldown.** The cooldown prevents over-trading after a signal. Forcing entries during cooldown destroys edge.
- **Setting StopTicks too tight.** Default 12 is calibrated. Tighter stops get hit by normal noise; the strategy needs that buffer.
- **Treating numerology tags as cosmetic.** The 3-6-9 tags substantially upgrade signal quality when present. Don't filter them out.

Pairs Well With

F369 TICK_Divergence (location + setup confirmation), **F369 LEVEL_Pivots** (target levels), **F369 TREND_VWAP** (target / mean), **F369 OSC_RSIOBVPro** (A+/A multi-indicator confluence), **F369 GANN_SquareOfNine** (SQ9 ring + A+ reversal = highest-conviction), **F369 SESSION_GannBox** (Sniper Signal + A+ arrow = top of stack).

"Trade the reversal, not the extreme."

Suite-Level Confluence Maps

How to stack the 7 TICK indicators for maximum-conviction breadth trades

Each TICK indicator stands on its own — but the real edge appears when you stack them. The seven indicators are deliberately complementary: each measures a different dimension of broad-market breadth. Breadth + Cumulative + Dual-Exchange + Extremes + Momentum + Push-Score + Reversal — together they form a complete map of institutional participation. When multiple TICK indicators agree, you have the cleanest single-direction breadth read available in any retail platform.

The Four Highest-Conviction TICK Confluence Stacks

▲ STACK 1 — THE BREADTH-TREND TRIPLE

Components: TICK_Extremes ratio $\geq 65\%$ (or $\leq 35\%$) + TICK_Breadth Cumulative making higher highs + TICK_Momentum Lime histogram sustained.

When all three align: Confirmed institutional trend day. Three independent breadth measurements agreeing. Hold position through normal pullbacks; don't fade. Add on any pullback to VWAP or fast TICK average. Stack 1 days produce the largest single-day P&L when traded with the bias. (Reverse logic for short Stack 1.)

▲ STACK 2 — THE A+ REVERSAL QUARTET

Components: TICK_Reversal A+ arrow with 3-6-9 numerology tag + TICK_Divergence A+ divergence in same bar window + TICK_Extremes spike cluster at extreme + price at major structural extreme.

When all four align: Top-tier reversal setup. Four independent reversal signals confirming. Hit rate consistently above 70%. Counter-trade with conviction; build position across 2-3 bars; hold for multi-day mean reversion. Among the cleanest reversal setups in the entire F369 ecosystem.

▲ STACK 3 — THE INSTITUTIONAL PUSH BREAKOUT

Components: TICK_Pusher PUSH↑ arrow + TICK_DualLine both lines above +500 + TICK_Momentum zero-cross diamond up + structural breakout in progress.

When all four align: Confirmed institutional breakout. Both exchanges, momentum, and weighted push all firing simultaneously. Trade in breakout direction; tight stop below the broken level; target next major structural level. Stack 3 setups produce sharp, clean directional moves.

▲ STACK 4 — THE SECTOR ROTATION PAIR TRADE

Components: TICK_DualLine lines diverging persistently (NYSE strong, NASDAQ weak or vice versa) + TICK_Breadth Cumulative confirming the lead exchange + IndexMaster showing dollar P&L divergence in same direction.

When all three align: Confirmed sector rotation in progress. Long the leading sector ETF/futures, short the lagging in equal dollar amounts. Hold until divergence resolves. Rotation pair trades often run for hours, producing steady P&L while index traders chop themselves to pieces on the conflicted index moves.

The TICK Conviction Matrix

TRADE TYPE	REQUIRED TICK SIGNALS	SIZE ALLOCATION
Maximum Conviction	Any of Stack 1, 2, 3, or 4 firing	Full size; runners encouraged
High Conviction	2 of: ratio >60/40, A+ reversal, PUSH arrow, Lime momentum diamond	Standard size
Standard	Single TICK indicator signal + structural level	Half size
Scout	Single signal in mid-range; no structural confluence	Quarter size or skip
Skip	B-grade signals; mid-range ratio; conflicting indicators	No trade

Workspace Layouts For TICK-Wide Trading

Layout A — Day Trader (3 Panels)

Panel 1 (primary): TICK_Breadth + TICK_Extremes (combined cumulative + ratio context). **Panel 2:** TICK_Momentum (color histogram + diamonds). **Panel 3 (price chart overlay):** TICK_Reversal arrows + TICK_Divergence markers.

Layout B — Scalper (2 Panels)

Panel 1: TICK_Pusher (push score + PUSH arrows + FADE/BOUNCE labels). **Panel 2:** TICK_DualLine for visual cross-check. Fast, signal-driven, minimum clutter.

Layout C — Swing Trader (1 Panel)

Single panel: TICK_Breadth (cumulative line as primary read) + TICK_Reversal arrows on chart. The cumulative line is the multi-bar breadth picture you need for swing decisions.

Layout D — Pairs / Rotation Trader

Primary panel: TICK_DualLine (both exchanges visible). **Secondary panel:** TICK_Extremes ratio. Pair with IndexMaster for full cross-instrument context. Trade rotations; ignore unified breadth.

The "TICK-First" Daily Workflow

1. **Pre-RTH:** No TICK; rely on overnight session indicators.
2. **First 30 minutes RTH:** Watch initial TICK readings establish session range. Note spike count and early ratio direction.
3. **By 10:30 AM (1 hour in):** Check Breadth Ratio — already >65% or <35% = locked-in trend day; 45-55% = chop regime.
4. **Mid-morning:** Watch for Stack 1 (trend-day) or Stack 2 (reversal) setups. Act decisively on aligned signals.
5. **Mid-day:** Monitor Live Win-Rate on TICK_Reversal — adjust size and signal floor based on session regime.
6. **Afternoon:** Check for Stack 3 (push breakouts) on news catalysts. Be ready to fade extended pushes that hit FADE? labels.
7. **Late session:** Verify cumulative TICK is matching price action; divergences forming now signal next-day setups.
8. **End of session:** Note final ratio, spike count, cumulative TICK end value. These inform tomorrow's starting context.
9. **Weekly review:** Track which Stack produced best P&L. Calibrate personal A+ floor and signal selection by results.

"Seven indicators. Four confluence stacks. One disciplined trader."

Installation & Support

Get the F369 TICK Suite live in NinjaTrader 8

Installation Steps

1. **Download.** Locate F369_Tick_Final.zip from your 369Forecast member's area.
2. **Open NinjaTrader 8.** Close active charts you'd lose data from.
3. **Tools → Import → NinjaScript Add-On.** Browse to the ZIP and select.
4. **Accept the license.** Vendor License 995 confirms authentic 369Forecast Elite Capital product.
5. **Restart NinjaTrader.** Required for indicators to appear.
6. **Configure data feeds.** Tools → Options → Market Data → ensure ^TICK and ^TICKQ are subscribed.
7. **Add to chart.** Right-click → Indicators → search "F369_TICK".

Required Data

- **^TICK (NYSE TICK)** — usually free with most data feeds (Kinetick, Rithmic, CQG, IQFeed).
- **^TICKQ (NASDAQ TICK)** — sometimes paid add-on; check with your data provider.
- If symbols don't load, contact your data provider to enable TICK breadth subscriptions.

Common Issues

"TICK data not displaying"

Most common: symbol not subscribed. Open Connections panel → Connect → check the data window directly for ^TICK. If it's "—", contact data provider. If it's working there but not in chart, check that TickSymbol parameter in the indicator matches your provider's exact symbol (some use "\$TICK" instead of "^TICK").

"Indicator loads but no plots / arrows"

Check that you have at least 200 bars of historical data loaded. TICK indicators require warm-up bars to establish averages, swings, and session statistics. Reload chart with more days of data.

"Performance is sluggish"

Running all 7 TICK indicators simultaneously is heavy. Recommended: TICK_Breadth + TICK_Reversal on price chart, TICK_Extremes + TICK_Momentum in subwindow. Skip TICK_Pusher and TICK_DualLine unless actively scalping. Reduce Tick Replay if enabled.

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