

PROFESSIONAL USER GUIDE

# F369

## MTF SUITE

*Multi-Timeframe Confluence · Power Scoring · Trap Detection*

4 INSTITUTIONAL INDICATORS

369Forecast Elite Capital

Version 2026.1

369FORECAST.COM · TESLA 3·6·9

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*Four institutional-grade multi-timeframe confirmation tools*

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*Tesla 3-6-9 · 369Forecast Elite Capital · Higher Timeframe Truth*

# The MTF Suite

## Multi-timeframe edge in four institutional-grade tools

Multi-timeframe analysis is the line that separates professional traders from amateurs. Amateurs trade what they see on a 5-minute chart. Professionals confirm every 5-minute setup against the 15-minute, 60-minute, 240-minute, and daily picture *before* they take the trade. The problem? Switching between charts is slow, error-prone, and costs you the edge in the moment a setup forms.

The **F369 MTF Suite** solves that problem by compressing higher-timeframe context directly onto your execution chart — without you ever needing to switch views. Four specialized tools, each tuned for a different multi-timeframe job, deliver an institutional read of the market that no single-timeframe trader can match.

### ▲ FOUR TOOLS, FOUR JOBS

- **TrendWaves** — instant 10-row visual snapshot of multi-timeframe trend alignment, with a colorsum histogram giving you a single-number conviction read (range -20 to +20)
- **TraderTrend3T** — algorithmic signal engine that passes every candidate trigger through eight institutional filter gates (session, volatility regime, trend bias, momentum quality, cooldown, scoring, bar size, target sizing) — only signals that survive all gates print arrows
- **TraderTrend3TRenko** — Renko-brick variant with a richer composite Power Score (0-100) translated to plain-English ratings: BEAST · STRONG · NORMAL · WEAK · WUSS
- **TrendFlowTrap** — tick-level order-flow footprint trap detector that identifies seven distinct trap conditions and scores them into a single 0-100 trap conviction reading

## When to Use What

### Quick Visual Read

Use **TrendWaves** alone for a fast snapshot. 10 rows give you instant MTF alignment at a glance. Best for fast-paced day trading where you need conviction in 1 second.

### Algorithmic Entries

Use **TraderTrend3T** on time-bar charts or **TraderTrend3TRenko** on Renko. Both fire only when all institutional filter gates pass. Skip weak signals automatically.

### Reversal Hunting

Use **TrendFlowTrap** when hunting reversals at institutional levels. Detects when retail traders are caught wrong-side — the moment institutions reverse the move.

### Confluence Stack

Run **TrendWaves** + **TraderTrend3T** together. Waves filters direction (require alignment), 3T fires the entry signal. Best of both worlds.

## Why MTF Matters

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### **The Pro Trader's Universal Rule**

The single biggest factor in retail trading underperformance is taking signals that look great on the execution chart but contradict the higher timeframe. A long signal on the 5-minute is meaningless if the 60-minute is in a confirmed downtrend. The F369 MTF Suite ensures you never make this mistake — it shows you all timeframes at once, automatically, with no chart-switching required.

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*"Higher-timeframe truth · lower-timeframe execution."*

# How To Use This Suite

*Recommended chart layouts and daily workflow*

## Recommended Chart Layouts

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### Layout A — The Confluence Stack (Most Popular)

- **Main chart:** Price + any F369 LEVEL or TREND indicator
- **Subwindow 1:** MTF\_TrendWaves (10-row grid + colorsum)
- **Subwindow 2:** MTF\_TraderTrend3T (entry signal engine)
- **Rule:** Only take TraderTrend3T signals when TrendWaves colorsum aligns same direction

### Layout B — Renko Pro

- **Renko chart:** Price + MTF\_TraderTrend3TRenko overlay (lines, signals, targets)
- **Subwindow:** MTF\_TrendWaves for trend context
- **Rule:** Trade only BEAST and STRONG rated signals; skip NORMAL/WEAK/WUSS

### Layout C — Reversal Hunt

- **Main chart:** Volumetric bars (required for TrendFlowTrap)
- **Subwindow:** MTF\_TrendFlowTrap (footprint + trap scoring)
- **Rule:** Trade trap signals only when trap score > 65 AND price at a confluence level (HOD/LOD/pivot)

## The 4-Step MTF Workflow

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### Step 1 — Establish Higher-Timeframe Direction

Glance at TrendWaves first. Are most rows green or red? The colorsum tells you in a single number. Positive = bull bias; negative = bear bias. Above +15 or below -15 = strong MTF alignment, trade aggressively. Between -10 and +10 = mixed, reduce size or stand aside.

### Step 2 — Confirm Volatility Regime

Open TraderTrend3T's bottom dashboard. Check the "ATR" line — it tells you whether current volatility is in a normal range or extreme. Extremely low = dead chop, no edge. Extremely high = blowoff move, signal quality degraded. The filter gates handle this automatically, but the dashboard confirms your read.

### Step 3 — Wait For Signal Quality

Don't anticipate signals — wait for them. When TraderTrend3T fires a colored arrow with a score of 4 or 5 (or BEAST/STRONG on Renko variant), all eight institutional filters have passed. Take it. Skip arrows with score 1-2 unless you have additional confluence.

### Step 4 — Manage Position Per Indicator Levels

The indicators draw Stop, Target 1, and Target 2 lines automatically. Use them. Stop where the indicator marks. Take 50% off at Target 1. Trail the rest until Target 2 or until indicator flips state. Don't override the indicator's risk-management math — that's where most traders give back gains.

## The Three Daily Day-Types

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#### Strong Trend Day

TrendWaves colorsum stays above +15 (or below -15) for hours. TraderTrend3T fires multiple high-score signals same direction. Hold positions longer; trail stops wide.

#### Chop / Range Day

TrendWaves colorsum oscillates between -10 and +10. Few or no signals print (filters reject them). Stand aside or trade reversals only at extremes via TrendFlowTrap.

#### Reversal Day

TrendWaves colorsum flips sign mid-session. TraderTrend3T fires fresh signals opposite direction. Trade the reversal aggressively after first signal in new direction.

#### News / Event Day

Volatility spike, filter gates reject most signals (rightfully). Stand aside for 15-30 min after news, then trade the first clear signal once filters re-enable.

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*"Confluence is the highest form of confirmation."*

# MTF\_TrendWaves v2

*10-row multi-timeframe trend grid with single-number colorsum read*

## What It Is

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The single fastest multi-timeframe read in the entire F369 ecosystem. TrendWaves stacks 10 rows of color-coded trend blocks vertically in a subwindow — each row representing a different cascading timeframe period. When all 10 rows align bullish (all green), the indicator reports a colorsum value of +20 — the strongest possible confirmed uptrend. When all 10 align bearish, -20. Everywhere in between shows the mix and gives you instant degree-of-alignment context.

The killer feature: a single bottom histogram bar shows the **colorsun value**. You don't have to read 10 individual rows. You glance at the histogram and instantly know whether the multi-timeframe picture is aligned or mixed. Above +15 = strong bull alignment. Below -15 = strong bear. Zero = pure indecision. It's the cleanest MTF visualization ever built.

## What You See

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- **10 rows of colored blocks** stacked vertically (Row01 at bottom through Row10 at top), each row representing a different cascading timeframe period
- **Block color encoding:** Green = strong bull, DarkGreen = weak bull, DarkGray = neutral, DarkRed = weak bear, Red = strong bear
- **Colorsun Histogram** at the very bottom — a single bar with value range 0 to +20 (when positive) or 0 to -20 (when negative)
- **Histogram Color Coding:** Green when colorsun = +20 (all rows up), Cyan when positive, Red when colorsun = -20 (all rows down), Yellow when negative, Gray when near zero
- **Bottom Banner** — Bar Type · Main Trend (UP / DOWN / FLAT) · Colorsun value · Bull bar count · Bear bar count · Reference period

## How to Read It

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- **All rows GREEN + colorsum +20 (green histogram):** Full MTF alignment bullish — the strongest possible long signal. Buy with confidence on any pullback.
- **All rows RED + colorsum -20 (red histogram):** Full MTF alignment bearish — strongest short signal. Short any bounce.
- **Mixed colors + colorsum near zero:** MTF transitioning — wait for resolution. Don't fight indecision.
- **Colorsum flipping from positive to negative (or vice versa):** Major regime change candidate — watch for entry in new direction.
- **Progressive build:** Rows turning green one by one (3 → 5 → 8) = trend developing. Take entries with rising colorsum.
- **Progressive decay:** Rows flipping from green to red one by one = trend breaking. Exit longs.

## Trading Playbook

### ► Setup A — Full Stack Alignment Entry

**SWING** **DAY-TRADE** **Trigger:** All 10 rows turn green AND colorsum reaches +20 (green histogram). Held for at least 3 bars. Price not in a parabolic blow-off.

**Entry:** Long on next bullish bar close, or on any pullback to short-term moving average.

**Stop:** Below most recent swing low (typically 8-15 bars back).

**Target:** Trail beneath each higher low. Hold until the stack starts breaking (rows flipping from green to red one by one — that's your exit alarm).

### ► Setup B — Cascade Bull Build

**DAY-TRADE** **Trigger:** Rows turn green progressively (3 green → 5 green → 8 green over consecutive bars). Colorsum holds above zero throughout the build.

**Entry:** Long on first pullback once 7+ rows are green.

**Stop:** Below the pullback low.

**Target:** 1.5-2R initially; let runner go if colorsum keeps climbing toward +20.

### ► Setup C — Colorsum Zero Cross

**DAY-TRADE** **Trigger:** Colorsum crosses zero (from negative to positive or vice versa). Bias regime shift in progress.

**Action:** Take the next setup that forms in the new direction with confidence. Avoid counter-trend trades for the rest of the session — the MTF tide just turned.

### ► Setup D — Stack Breakdown Exit

**RISK-MGT Trigger:** You're long with the stack having been at +20. Rows start flipping from green back to dark green, then to neutral. Colorsum dropping from +20 toward +10.

**Action:** Tighten trailing stop aggressively. Take 50% off when colorsum hits +10. Full exit if colorsum hits 0 or first red row appears.

## Key Features

10-Row Cascading Grid

Single-Number Colorsum

+20 / -20 Alignment Markers

5-Tier Color Encoding

Bull/Bear Bar Counter

Main Trend Banner

Strategy Output Series

Zero Latency Render

## Parameters

PARAMETER	TYPE	DEFAULT	RANGE	WHAT IT DOES
Donchian_Channel_Period	int	20	10+	Core lookback for trend determination
Show_Data_Rows	bool	true	—	Display the 10-row visual grid
Show_Sum_Histo	bool	true	—	Display the colorsum histogram
Bottom_Row	int	0	—	Y-position of bottom row
RowSkip	int	5	1–100	Vertical spacing between rows
Square_Size	int	4	1–10	Block size in pixels
ShowBarTypeBanner	bool	true	—	Display bottom info banner
EnableDebugPrint	bool	false	—	Console diagnostic output

## Tuning Tips

- **Default works for most cases:** Period 20 is institutional-tuned for index futures and major equities. Don't change unless you have a reason.
- **Scalping (1-min chart):** Period = 14, Square\_Size = 3 for compact display.
- **Day trading (5-15 min):** Defaults are optimal.
- **Swing trading:** Period = 34, Square\_Size = 5 for larger visible blocks and longer-term trend signal.
- **Tall subwindow:** Increase RowSkip to 7-8 for more breathing room between rows.
- **Performance:** v2 uses pre-allocated arrays — zero per-bar garbage collection. Smooth even on tick charts.

## Why The 10-Row Colorsum Reveals Institutional Alignment

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Most multi-timeframe indicators force you to read 3-5 separate panels and mentally synthesize them. TrendWaves does the synthesis for you: 10 cascading periods are evaluated simultaneously, each producing a green/dark-green/gray/dark-red/red state, and the **sum of those states is a single number from -20 to +20**. That single number is the institutional alignment score. Above +15 means virtually every relevant timeframe is bullish — a signal that retail traders, swing institutions, and long-term capital are all on the same side. Below -15 is the opposite — uniform bearish capital commitment.

The 10-row design uses Donchian-channel-style trend determination at cascading lookback periods (e.g., 20, 25, 30, 35, 40... up to ~100). Each successive row captures a slightly longer-term view. When all 10 align, you have **structural commitment from scalp to swing** — the kind of multi-horizon agreement that produces sustained trend days. Trades against full alignment fail much more often than trades aligned with it; the colorsum is your edge-multiplier on every entry decision.

### THE +20 / -20 INSTITUTIONAL ALIGNMENT THRESHOLD

Colorsum reaching exactly +20 (or -20) means ALL 10 timeframes are simultaneously strong-trending in the same direction. This occurs roughly 5-15% of session time — and during those windows, the trend is statistically the strongest it can be. Trade WITH the alignment. Holding longs during a +20 alignment produces some of the cleanest single-trade returns available in any framework. When colorsum first hits +20 after building from below, it's the institutional confirmation that the trend has fully gained multi-horizon support.

## Advanced Reading — Colorsum Signatures

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- **Colorsum at +20 for 5+ bars:** Locked-in institutional bull trend — full-size long bias for the duration.
- **Colorsum building from +5 to +15 to +20:** Trend developing — institutions adding to longs progressively.
- **Colorsum decaying from +20 to +15 to +10:** Trend losing horizon support — tighten stops, take partial profits.
- **Colorsum crossing zero (positive to negative):** Major regime change in progress — reverse bias.
- **Colorsum oscillating  $\pm 5$  around zero:** Choppy / range market — disable trend strategies; switch to mean-reversion.
- **Bottom rows (Row01-03) flip first:** Short-term trend changing; longer-horizon rows haven't confirmed yet — early warning, not entry.
- **Top rows (Row08-10) flip last:** Long-term horizon confirming new direction — late but institutional-grade.

## Additional Setups

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### ► Setup E — Full +20 Alignment Hold

**SWING** **Trigger:** Colors sum reaches +20 and stays there. No top-row rotation. Price holding above short-term moving average.

**Action:** Hold longs through all normal pullbacks. Add at any pullback to short-term MA. Do not take counter-trend trades during +20 alignment. Exit only when first top row (Row08-10) flips from green to red. +20 alignment hold trades produce among the largest single-day P&L results in the entire MTF suite.

### ► Setup F — Regime-Change Reversal Trade

**REVERSAL** **EXPERT** **Trigger:** Colors sum crosses zero from + to - (or vice versa). Top rows flipping last (institutional confirmation). Structural extreme reached.

**Entry:** In new direction on first confirmation bar after zero cross.

**Stop:** Beyond pre-cross structural high/low.

**Target:** Opposite +20/-20 alignment — these reversals often run to full alignment in the new direction over 2-3 sessions.

### ► Setup G — Cascade Failure Counter-Trade

**REVERSAL** **Trigger:** Colors sum has been at +20 for hours. Suddenly Row01-02 (fastest) flip from green to red while Row09-10 still green. Initial regime-change warning at fast end.

**Action:** Don't trade against +20 yet — too early. Tighten existing long stops aggressively. Wait for cascade through middle rows (Row04-06 flipping) before counter-trade. The cascade signal reduces false reversals dramatically.

## Common Mistakes With TrendWaves

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- **Trading against full alignment.** When colors sum is +20 (or -20), the indicator is explicitly telling you institutions are uniformly committed. Counter-trades during alignment have the lowest hit rate in the entire MTF suite.
- **Watching only the histogram.** The histogram is the summary; the individual rows show *where* the agreement/disagreement lives. Cascade signals from rows are early warnings the histogram misses.
- **Confusing colors sum direction with price direction.** Colors sum measures trend across 10 timeframes; price can spike against trend temporarily. Trade colors sum direction, fade price spikes.
- **Setting period too short.** Default 20 is calibrated. Below 14 produces noisy row flipping; above 50 makes the indicator too slow to respond to legitimate changes.
- **Trading every zero cross.** Zero crosses near major news events often false-fire. Confirm with at least one structural setup before entering on a zero cross.
- **Ignoring during clearly-trending periods.** TrendWaves works in trends. During tight ranges with constant oscillation, the indicator flickers and provides no edge. Match strategy to regime.

## Pairs Well With

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**F369 MTF\_TraderTrend3T** (use TrendWaves to confirm direction, 3T to time the entry), **F369 TREND\_VWAP** (anchor + colorsum alignment = highest-conviction trade), **F369 TICK\_Momentum** (breadth confirms the MTF picture has broad-market participation), **F369 PATTERN\_8Masters** (multi-symbol Z-score confirms institutional flow matches MTF direction), **F369 SESSION\_DayPlanInstitutional** (auction state + colorsum = full session map), **F369 OSC\_QuantumWaveletBoss** (cycle dominance + alignment = compound multi-timeframe).

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*"10 timeframes, 1 colorsum — institutional clarity."*

# MTF\_TraderTrend3T v3

*Triple-line convergence engine with 8 institutional filter gates*

## What It Is

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The algorithmic flagship of the MTF suite — and a serious upgrade over anything mainstream retail. TraderTrend3T combines three nested smoothing lines (a fast leading line, a mid-baseline, and a momentum confirmation line) and detects their convergence/crossover moments as candidate entry triggers. The transformative feature is what happens *after*: every candidate signal passes through **eight institutional-grade filter gates** before it's allowed to print on your chart.

The gates filter for: trading session (RTH only by default), volatility regime (no signals in dead-low or blowoff-high ATR), trend bias (no counter-trend trades unless you allow them), momentum quality (the momentum line must slope correctly), signal scoring (composite 1-5 score must hit minimum), cooldown (no rapid-fire signals), bar size (no signals on abnormal candles), and dynamic ATR-based target sizing (so your R-multiples are volatility-adjusted automatically). Only signals that survive ALL eight gates appear as colored arrows. The result: dramatically fewer signals, dramatically higher hit rate.

## What You See

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- **3 Indicator Lines** — Fast Leading Line (Gold, width 2), Mid Baseline (DeepSkyBlue, width 2), Trend Filter Line (DarkOrange, width 1)
- **Entry Line** (Lime, configurable) — horizontal at entry price after signal confirms
- **Stop Line** (Red, thicker) — automatically drawn below entry for longs (above for shorts)
- **Target 1 / Target 2** (Cyan / Magenta dotted) — automatic R-multiple or ATR-scaled targets
- **Signal Arrows** — Lime up (long), Red down (short); DimGray for filtered/rejected signals if ShowFilteredSignals is enabled
- **Risk/Reward Display** top-right — Risk amount · T1 in R-units · T2 in R-units · Target Mode (Fixed or ATR)
- **Bottom-Left Dashboard** — Session status · ATR percentile · Trend direction · Momentum slope · Bar/ATR ratio · Cooldown countdown · Last signal score (1-5)

## How to Read It

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- **Lime arrow with score 4-5:** Highest-quality long signal. All filters green. Take with full size.
- **Lime arrow with score 2-3:** Medium quality — some filters borderline. Reduce size or skip during chop.
- **Red arrow:** Short signal (same scoring rules apply).
- **Dashboard "Session" red:** Outside RTH — signals filtered out automatically.
- **Dashboard "ATR" extreme high:** Above 95th percentile = blowoff volatility, signals rejected.
- **Dashboard "ATR" extreme low:** Below 15th percentile = dead chop, signals rejected.
- **Dashboard "Cooldown" counting down:** Waiting for cooldown to clear before next signal allowed.
- **Wait State:** When fast line crosses baseline but momentum hasn't confirmed yet, indicator waits up to 3 bars (configurable). Patience signal.

## Trading Playbook

### ► Setup A — Score 5 Lime Long (Highest Conviction)

**DAY-TRADE** **Trigger:** Lime arrow prints with score 5. Dashboard shows all filters green. ATR in normal percentile. Trend Filter Line confirms direction.

**Entry:** At arrow bar close (indicator draws Entry line).

**Stop:** At indicator-drawn Stop line.

**Target:** Partial exit at T1 (50% off). Trail runner to T2 or until indicator flips state.

### ► Setup B — Wait State Entry (Patience Trade)

**EXPERT** **Trigger:** Fast line crosses Mid Baseline but momentum line hasn't yet confirmed (slope wrong direction). Indicator displays wait state. Within 3 bars, momentum confirms.

**Action:** When the delayed confirmation triggers, signal fires retroactively. This is the highest-quality entry type — institutional patience pays.

### ► Setup C — Filter Rejection Study

**LEARNING** **Approach:** Enable ShowFilteredSignals = true. Gray arrows appear where signals would have fired without filters.

**Action:** Track gray vs. colored arrows over 2-4 weeks. You'll see the filter value as gray-arrow losses pile up while colored arrows mostly win. Don't disable filters to take gray signals.

## ► Setup D — Multi-Score Confluence

**SWING Trigger:** Two consecutive Lime arrows (or two consecutive Red arrows) within 20 bars, both score 4+. Trend Filter Line clearly directional. ATR normal.

**Action:** Add to the position on the second arrow (averaging up). Hold longer than single-signal trades — multi-confluence runs further.

## Key Features

3-Line Convergence Engine

8 Institutional Filter Gates

1-5 Signal Score

Session Filter

ATR Regime Filter

Wait State Logic

Dynamic ATR Targets

Filter-Rejection Debug Mode

Risk/Reward Display

Strategy Output Series

## Parameters

GROUP	PARAMETER	DEFAULT	WHAT IT DOES
Core	TEMAPeriod / TMAPeriod / TRIXPeriod / TRIXSignalPeriod	14 / 14 / 14 / 9	Three-line periods
Targets	Target1Multiple / Target2Multiple	2.0 / 3.0	Fixed R-multiple targets
Targets	UseDynamicTargets	true	ATR-based instead of fixed R
Targets	ATRTargetMultiple1 / 2	1.5 / 2.5	ATR multipliers when dynamic enabled
Session Filter	EnableSessionFilter	true	RTH-only signals
Session Filter	SessionStartHour/Minute / EndHour/Minute	8:30 / 15:00	RTH window
ATR Regime	ATRPeriod / ATRLookback	14 / 100	Volatility regime detection
ATR Regime	ATRLowPercentile / HighPercentile	15 / 95	Skip dead-vol and blowoff-vol
Trend Filter	EnableTrendFilter / TrendEMAPeriod	true / 50	Long-only above filter, short-only below
Quality	EnableTrixQuality / MinTrixSlope	true / 0	Momentum direction quality gate
Scoring	EnableSignalScoring / MinSignalScore	true / 2	1-5 score gate
Cooldown	EnableCooldown / CooldownBars	true / 5	Min bars between signals
Bar Filter	BarRangeATRMinPct / MaxPct	20 / 300	Skip abnormal-size bars

## Tuning Tips

- **Conservative (fewer, higher-quality signals):** MinSignalScore = 4-5, CooldownBars = 10. Best for risk-averse capital.
- **Aggressive (more signals, more trades):** MinSignalScore = 2, CooldownBars = 3. Use only in clearly trending markets.
- **ES day trading:** Defaults are optimal — periods tuned for index futures.
- **NQ swing:** TrendEMAPeriod = 89, Target1/2 = 2.5/4.0 — NQ tends to run further.
- **Volatile crypto:** ATRLowPercentile = 25, HighPercentile = 90, BarRangeATRMaxPct = 500.
- **Forex 24h:** EnableSessionFilter = false (no RTH concept). EnableATRRegime = true (still filters dead zones).

## Why The 8 Filter Gates Are The Edge

The triple-line convergence engine is mathematically simple — any retail trader can detect the crossover moment of a fast leading line against a baseline. What separates institutional execution from retail loss-machines is the **filter discipline**. The vast majority of fast-line crossovers occur in unfavorable conditions: outside RTH, during dead volatility, against the larger trend, with poor momentum quality, with abnormally-sized bars, immediately after a previous signal (overtrading), or with insufficient composite quality. Each of these conditions has a measurable failure rate; **filtering them out is the entire edge of this indicator**.

The 1-5 signal score is the composite quality measure. A score 5 signal has all 8 gates green — institutional-grade. A score 3 has most green but 1-2 borderline. A score 2 has multiple borderline gates and should typically be skipped. The discipline of trading only score 4-5 signals — even when it means very few trades per week — is what produces consistent profits. The temptation to take lower-quality signals "for action" is the largest preventable loss source with this indicator.

### THE WAIT-STATE LOGIC — INSTITUTIONAL PATIENCE

When the fast line crosses the baseline but the momentum line hasn't yet sloped correctly, the indicator enters a **wait state** (up to 3 bars by default). This is profoundly different from naive crossover indicators that fire immediately on the cross. The wait state catches the institutional pattern: a structural setup forms, then institutions confirm by aligning momentum, THEN the entry triggers. Crossovers without wait-state confirmation are noise; crossovers WITH delayed momentum confirmation are signal. Patience is encoded as math.

## Advanced Reading — 3T Signal Signatures

- **Score 5 signal at structural pullback level:** Highest possible quality — institutional alignment + structural location.
- **Wait-state confirmation within 1-2 bars:** Strong institutional confirmation — best entries fire after brief wait.
- **Wait-state expires without confirmation:** Failed setup — indicator correctly rejects; don't override.
- **Multiple consecutive score 4-5 same direction:** Trend acceleration — add to position on each new signal.

- **Filter rejection during clearly-trending session:** Likely ATR regime or session boundary — verify dashboard reason; sometimes correct to override during obvious trends with manual confirmation.
- **R-multiple of 2:1 or better on dynamic target:** ATR-adjusted target favorable; high-quality risk/reward.
- **Cooldown counting down after recent signal:** Indicator preventing over-trading — respect the cooldown.

## Additional Setups

### ▶ Setup E — Triple-Filter Confluence Score-5 Long

**EXPERT** **DAY-TRADE** **Trigger:** Score 5 lime arrow + TrendWaves colorsum +15 or higher + session is RTH normal-volatility regime.

**Entry:** At arrow bar close (full size).

**Stop:** At indicator-drawn Stop line.

**Target:** T1 at 50% off; runner to T2. Among the highest-conviction setups in the MTF suite — three independent filters confirming.

### ▶ Setup F — Dynamic-ATR Target Trend Day

**SWING** **Trigger:** Score 4+ signal fires. UseDynamicTargets enabled (ATR-adapted). Trend Filter Line clearly sloping in signal direction.

**Action:** Use the dynamic ATR targets rather than fixed R-multiples — they scale to current volatility. Trail beyond T2 if Trend Filter Line continues sloping. Dynamic targets prevent premature exits in high-vol trend days and prevent over-aiming in low-vol grinds.

### ▶ Setup G — Filter Rejection Study (Learning)

**LEARNING** **Approach:** Enable ShowFilteredSignals = true. Gray arrows appear where signals would have fired without filters. Compare gray (rejected) vs colored (accepted) outcomes over 2-4 weeks.

**Goal:** Build personal confidence that the filters are saving you from losses. Don't disable filters to take gray signals after this exercise — the math is clear.

## Common Mistakes With TraderTrend3T

- **Disabling filters to "get more signals."** The whole edge is filtering. Disabling filters reverts to a generic moving-average crossover with no advantage.
- **Trading score 2 signals.** The composite score is the quality gate. Score 2 has multiple borderline filters — historically negative expectancy.
- **Overriding wait state.** The patience encoded in wait-state logic is calibrated for institutional pattern recognition. Entering before wait-state confirmation eliminates the edge.
- **Ignoring dashboard reasons for filter rejection.** The dashboard tells you WHY signals were rejected. Reading those reasons builds your filter intuition over time.

- **Trading without dynamic ATR targets.** Fixed R-multiples fail in high-vol or low-vol regimes. Dynamic targets adapt; use them.
- **Forcing trades during cooldown.** Cooldown prevents over-trading right after a signal. Forcing entries during cooldown reduces hit rate substantially.

## Pairs Well With

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**F369 MTF\_TrendWaves** (colorsum-aligned signals are the strongest), **F369 TICK\_Momentum** (breadth confirmation on each signal), **F369 TREND\_VWAP** (anchor stack agreement = institutional confirmation), **F369 ICT\_LiquiditySweepPRO** (sweep + 3T signal at the same bar = max conviction), **F369 OSC\_OPUSPanel** (Wyckoff regime + FOX signal corroborates 3T direction), **F369 PATTERN\_OPUSDominator** (4-star Tier S + score-5 3T = top-tier confluence).

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*"8 filters. 5-point score. Zero noise."*

# MTF\_TraderTrend3TRenko v3

*Renko-brick edition with BEAST / STRONG / NORMAL / WEAK / WUSS Power Rating*

## What It Is

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TraderTrend3T re-engineered specifically for Renko brick charts — and then upgraded with a richer composite Power Score. Same triple-line convergence core, same eight institutional filter gates, but signal scoring is replaced with a more nuanced **Power Score 0-100** that translates into one of five English-language ratings: **BEAST** (80+), **STRONG** (60+), **NORMAL** (40+), **WEAK** (20+), **WUSS** (under 20). Each rating gets its own color so you can see signal quality at a glance from across the room.

The Power Score is composited from four weighted factors: momentum (cross strength + momentum-line divergence, 0-30 points), trend strength (0-25 points), Renko brick momentum / volume confluence (0-25 points), and volatility regime (0-20 points). Plus filter bonuses (+10 per passing filter) and penalties (-8 per failing filter), with cooldown as a hard gate. The result is a single number that captures the holistic quality of every signal — making it absurdly easy to decide which signals deserve full size and which to skip.

## What You See

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- **3 Indicator Lines** — Fast Leading (Gold), Mid Baseline (DeepSkyBlue), Trend Filter (DarkOrange) — Renko-adapted periods
- **Power-Colored Entry Line** — Gold for BEAST, Lime for STRONG, DeepSkyBlue for NORMAL, Orange for WEAK, Red for WUSS
- **Stop Line** (Red, thicker) — set at configurable N-bricks-back distance for Renko-optimized stops
- **Target 1 / Target 2** (Cyan / Magenta dotted) — ATR-scaled when dynamic enabled
- **Power-Colored Arrows** with rating text: "LONG BEAST [85%]" or "SHORT STRONG [67%]"
- **Top-Right Display** — Rating · Score % · Risk · T1 in R · T2 in R · Target Mode
- **Bottom-Left Dashboard** — Renko brick size · Session · ATR percentile · Trend direction · Momentum slope · Bar/ATR ratio · Cooldown · Trend strength · Power rating · Last reject reason

## How to Read It

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- **BEAST (Gold):** Institutional-grade signal. All factors firing. Trade biggest size. Hold longest.
- **STRONG (Lime):** High-quality. Trade normal size with confidence. Most signals you'll take should be STRONG or above.
- **NORMAL (DeepSkyBlue):** Playable but only in clear trend day. Reduce size by 25%.
- **WEAK (Orange):** Skip in chop. Only consider in obvious trend continuation context.
- **WUSS (Red):** Skip always. The score is telling you this signal has structural weakness.
- **Consecutive same-direction bricks:** Add momentum bonus to Power Score — multi-brick runs result in higher ratings.
- **Volume fallback:** When Renko bars aren't available, volume-based momentum kicks in automatically.

## Trading Playbook

### ► Setup A — BEAST or STRONG Only Discipline

**DAY-TRADE** **Trigger:** Only trade BEAST (80+) or STRONG (60+) signals. Skip everything else for one full month — measure your improvement.

**Entry:** At arrow bar close.

**Stop:** 2 bricks back per UseRenkoOptimizedStops.

**Target:** Hold until Power Rating drops to WEAK or below.

### ► Setup B — Brick Momentum Stack

**SCALP** **Trigger:** 3+ consecutive same-direction Renko bricks. Next BEAST/STRONG signal in the same direction fires.

**Entry:** On signal arrow.

**Stop:** 2 bricks back.

**Target:** 1.5R for momentum continuation play.

### ► Setup C — Power Rating Downgrade Exit

**RISK-MGT** **Trigger:** You're in a BEAST signal long. Latest reading drops to NORMAL or WEAK. Power Score declining bar by bar.

**Action:** Take 50% off immediately. Trail tighter. Full exit if rating hits WUSS.

### ► Setup D — Failed BEAST (Trap)

**EXPERT** **Trigger:** BEAST long fires. Within 3 bricks, price reverses past the Stop line WITHOUT the next signal forming.

**Action:** Reverse if you weren't already stopped. Failed BEAST in clean conditions = institutional trap in progress; the reverse direction often runs further than the original signal would have.

## Key Features

5-Tier Power Rating

0-100 Composite Score

Renko-Optimized Stops

Brick Momentum Bonus

Volume Fallback

All 8 Institutional Filters

Dynamic ATR Targets

Filter Reject Reason Display

Strategy Output Series

## Parameters

GROUP	PARAMETER	DEFAULT	WHAT IT DOES
Core	<code>TEMAPeriod / TMAPeriod / TRIXPeriod / TRIXSignalPeriod</code>	<b>10 / 10 / 10 / 7</b>	Three-line periods (Renko-tuned faster)
Power Engine	<code>EnablePowerScoring / MinPowerScore</code>	<b>true / 40</b>	0-100 score gate
Power Display	<code>ShowPowerMeter / ShowPowerDetails</code>	<b>true / true</b>	Rating display + factor breakdown
Renko Stops	<code>UseRenkoOptimizedStops</code>	<b>true</b>	Stop at N bricks back instead of pivot
Renko Stops	<code>RenkoStopBricks</code>	<b>2</b>	Number of bricks behind entry for stop
Targets	<code>Target1Multiple / Target2Multiple</code>	<b>2.0 / 3.0</b>	R-multiple targets
Targets	<code>UseDynamicTargets / ATR Mults</code>	<b>true / 1.5 / 2.5</b>	ATR-adaptive sizing
Filters	<code>EnableSession / ATRRegime / TrendFilter / TrixQuality / Cooldown / BarFilter</code>	<b>all true</b>	Same 8 gates as 3T (tuned tighter for Renko)
Cooldown	<code>CooldownBars</code>	<b>3</b>	Tighter than 3T (Renko has fewer bars/hour)

## Tuning Tips

- **Use on Renko-only charts:** Don't run on time bars — periods are tuned for brick mechanics.
- **NQ Renko 6-tick bricks:** Defaults are optimal.
- **ES Renko 4-tick:** `RenkoStopBricks` = 3 for slightly wider stops on ES's smaller ticks.
- **Higher conviction:** `MinPowerScore` = 60 (STRONG and above only).
- **More signals:** `MinPowerScore` = 30 — accepts NORMAL signals too.
- **Crypto Renko:** `RenkoStopBricks` = 4-5 (crypto volatility eats tight stops).

## Why Renko Bricks Change The Signal Mechanics

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Renko bricks abstract away time and noise — each brick represents pure directional price movement of a fixed tick size, regardless of how long it took to form. This eliminates the noise that contaminates time-based charts: choppy minutes where price oscillates without going anywhere don't generate bricks, so the indicator never fires false signals during those periods. The trade-off: Renko charts are not 1:1 representations of clock time, so positions can be held during long periods of single-direction brick accumulation.

The Power Score 0-100 with 5 English ratings (BEAST / STRONG / NORMAL / WEAK / WUSS) is a richer composite than the 3T's 1-5 score. The 4 weighted factors (momentum 0-30, trend strength 0-25, brick/volume confluence 0-25, volatility regime 0-20) plus filter bonuses produce a continuous score that captures more nuance. The English ratings translate the math into instantly-readable quality bands — your brain doesn't need to compute "is 67 high enough" because STRONG vs NORMAL vs WEAK already encodes the decision.

### RENKO-OPTIMIZED STOPS — THE BRICK-COUNT EDGE

Time-based stops fail on Renko because brick formation is irregular — a stop set at "yesterday's swing low" may be hours of irrelevant time-bars away from current action. Renko-optimized stops use **N bricks back** from entry, ensuring the stop is always proportional to the actual price-movement risk of the trade. Default 2 bricks back gives the position room to breathe through a normal pullback without being shaken out. The brick-count discipline is what makes Renko trading systematic rather than discretionary.

## Advanced Reading — Renko Power Signatures

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- **BEAST (80+) rating during sustained brick run:** Institutional momentum confirmed — among the highest single-trade conviction levels in the entire F369 ecosystem.
- **STRONG (60+) at structural extreme:** High-quality reversal candidate when combined with structural level.
- **Power Score dropping bar-by-bar while in trade:** Trend energy fading — tighten trailing stop progressively.
- **NORMAL (40+) signals during clear trend day:** Acceptable continuation trades; reduce size 25%.
- **WEAK (20+) signals appear cluster:** Choppy regime — stand aside or use only at major structural levels.
- **WUSS (under 20) rating:** Indicator explicitly says skip — respect the call.
- **Failed BEAST (stop hit within 3 bricks):** Institutional trap signal — strong reversal continuation in opposite direction.

## Additional Setups

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### ► Setup E — BEAST + Multi-Brick Stack (Maximum Conviction)

**EXPERT** **Trigger:** BEAST rating (80+ score) fires. 4+ consecutive same-direction Renko bricks precede the signal. Trend Filter Line aligned.

**Entry:** Full size at arrow bar close.

**Stop:** 2 bricks back (Renko-optimized).

**Target:** 3R minimum; hold until rating drops to NORMAL or WEAK. BEAST + multi-brick stacks produce the cleanest Renko entries available.

### ► Setup F — Sequential Rating Build

**DAY-TRADE** **Trigger:** Signal pattern: NORMAL → STRONG → BEAST across 3-5 consecutive signals, all same direction. Power Score building progressively.

**Action:** Take entry at the BEAST signal (the final upgrade). Add to position; the progressive Power build indicates institutional commitment increasing. Hold for 3R+ runner.

### ► Setup G — Failed BEAST Trap Reversal

**REVERSAL** **EXPERT** **Trigger:** BEAST long signal fires. Within 2-3 bricks, price reverses past the Stop line WITHOUT a new signal forming in the same direction.

**Action:** Reverse direction. Failed BEAST in clean trend conditions = institutional trap revealed; the opposing direction often produces a multi-brick run because trapped traders cover progressively. Stop on the other side of the failed-signal bar; target the next major structural level.

## Common Mistakes With TraderTrend3TRenko

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- **Running on time-bar charts.** Periods are Renko-tuned. Running on time bars produces noisy signals with miscalibrated stops.
- **Trading WEAK or WUSS signals.** The Power Score is the filter — the entire edge comes from quality discipline. Skip below STRONG.
- **Setting RenkoStopBricks too tight.** Below 2 bricks gets shaken out by normal pullback. Default 2 is calibrated; consider 3 on smaller-tick instruments.
- **Ignoring power-rating downgrades.** When you're in a BEAST signal and rating drops to NORMAL, the trade is losing institutional support. Take partial profits or trail tighter.
- **Forcing trades during WEAK clusters.** Multiple consecutive WEAK signals mean choppy regime — stand aside or switch frameworks.
- **Using on ill-suited brick sizes.** NQ 6-tick is calibrated; ES 4-tick works. Smaller bricks (1-2 tick) produce noise; larger bricks (10+ tick) lose responsiveness.

## Pairs Well With

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**Renko-only charts** (does not work on time-bar charts), **F369 MTF\_TrendWaves** (regime context for Renko trades), **F369 FLOW\_Footprint** (order flow confirms Power Rating on each signal), **F369 TICK\_Reversal** (perfect entry timing on BEAST signals), **F369 SESSION\_DayPlanInstitutional** (auction state filters which BEAST signals to take), **F369 PATTERN\_OPUSDominator** (Tier S level + BEAST = top-of-stack).

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*"BEAST signals only — that's how pros stop the bleeding."*

# MTF\_TrendFlowTrap v5

*Tick-classified footprint + profile trap detection with 7-factor scoring*

## What It Is

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The order flow trap hunter — and the most sophisticated detector in the MTF suite. TrendFlowTrap uses tick-level order-flow classification to build a real-time footprint at every bar (showing bid-side vs. ask-side aggression at every price level), then composites a **7-factor trap score (0-100)** per bar that evaluates: imbalance at price extremes, delta exhaustion, absorption, high-volume-node traps, low-volume-node accelerations, trend strength alignment, and bar rejection. When the score crosses your minimum threshold (default 65), a Buyer Trap or Seller Trap is flagged on the chart — meaning a group of retail traders is about to get caught wrong-side, and price is about to move sharply against them.

The indicator also includes the same 10-row trend grid from TrendWaves (top of subwindow) plus a delta flow oscillator (bottom) — giving you trend context and order-flow context in a single panel. The buyer/seller trap markers print on this panel alongside the trend grid for instant correlation between trap signals and MTF direction.

## What You See

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- **10-Row Trend Grid** at top of subwindow — same Donchian-style trend rows as TrendWaves
- **Delta Flow Oscillator** at bottom — colored line/histogram showing real-time order flow
- **5-Tier Delta Coloring:** StrongUp (Lime), MidUp (Cyan), Flat (DarkGray), MidDown (Orange), StrongDown (Red)
- **Buyer Trap Markers** (Cyan / MediumTurquoise) at confirmed bullish setups — appears when seller-side absorption fails and price breaks up
- **Seller Trap Markers** (Magenta / DeepPink) at confirmed bearish setups — appears when buyer-side absorption fails and price breaks down
- **Bottom Dashboard** — Session status · Tick data quality · Current footprint delta · POC and Value Area levels · Trap state · 7-factor score breakdown

## How to Read It

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- **Cyan Buyer Trap Marker:** Heavy sell volume accumulated at recent lows (absorption signal) + current bar breaking up = trapped shorts about to cover. Long signal.
- **Magenta Seller Trap Marker:** Heavy buy volume accumulated at recent highs + current bar breaking down = trapped longs about to liquidate. Short signal.
- **Score Breakdown 80+:** All 7 factors contributing. Institutional-grade trap. Take full size.
- **Score 65-80:** Standard trap quality. Trade with normal size.
- **Trend Grid + Trap Direction Aligned:** Strongest possible signal — trap confirms MTF.
- **Trend Grid Against Trap Direction:** Counter-trend trap. Works but reduce size; counter-trend wins less often.
- **Tick Data Unavailable:** Indicator falls back to volume-based delta. Still works but with lower fidelity. Dashboard will show fallback mode.

## Trading Playbook

### ► Setup A — Buyer Trap with Trend Aligned

**REVERSAL** **DAY-TRADE** **Trigger:** Cyan Buyer Trap marker prints. Trend grid above is green (bullish MTF). Score 70+. Price at or near a key support level.

**Entry:** Long at trap bar close.

**Stop:** Just below the trap bar low.

**Target:** 2-3R typical. Trap reversals tend to run quickly as shorts cover.

### ► Setup B — Counter-Trend Trap (Cautious)

**RISK-MGT** **Trigger:** Trap marker against MTF direction (e.g., seller trap while trend grid is green).

**Action:** Smaller size (50% normal). Tighter stop. These work but hit rate is lower than trend-aligned traps.

### ► Setup C — Score 80+ Conviction

**EXPERT** **Trigger:** Score breakdown shows total 80+. All 7 factors contributing significantly. Trend alignment confirmed.

**Entry:** Full size at trap bar close.

**Stop:** Beyond trap bar extreme.

**Target:** Hold longer than 65-score signals — 80+ traps tend to run 3-4R routinely.

### ► Setup D — Trap + Tick Reversal Combo

**EXPERT** **Trigger:** Trap marker fires same direction as F369 TICK\_Reversal arrow within 3 bars. Institutional-grade confluence.

**Action:** Take with full size. Two independent institutional signals agreeing on direction = best entry in the suite.

## Key Features

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Tick-Level Footprint

7-Factor Trap Score

10-Row Trend Grid Included

Delta Flow Oscillator

Buyer/Seller Trap Markers

Auto-Adaptive Thresholds

Volume Profile Aggregation

Tick Data Fallback Mode

Session Filter

Strategy Output Series

## Parameters

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PARAMETER	DEFAULT	RANGE	WHAT IT DOES
Donchian_Channel_Period	20	10+	Trend grid lookback
UseTickData	true	—	Enable tick classification (recommended)
ImbalanceRatio	3.0	1.5–10	Aggressor/defender volume ratio to trigger imbalance
ExtremeTicksCheck	5	2–20	Price ticks from bar high/low to scan for imbalance
ProfileLookbackBars	100	10–200	Rolling profile window
HVNMultiple / LVNMultiple	2.0 / 0.3	—	High/Low Volume Node thresholds
EnableTraps	true	—	Enable trap detection and scoring
MinTrapScore	65	30–100	Score gate to fire trap signal
EnableSessionFilter	true	—	RTH-only trap detection
EnableCooldown / CooldownBars	true / 3	1–50	Min bars between trap signals
ShowDashboard / ScoreBreakdown	true / true	—	Diagnostics

## Tuning Tips

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- **NQ / ES volumetric chart:** Defaults are tuned for index futures.
- **Aggressive (more traps):** MinTrapScore = 50, CooldownBars = 1.
- **Conservative (highest-quality traps only):** MinTrapScore = 80, CooldownBars = 5.
- **Volatile sessions:** Increase ImbalanceRatio to 4.0-5.0 to filter noise.
- **Quiet sessions:** Decrease ImbalanceRatio to 2.0 to catch more setups.
- **Non-volumetric chart (no tick data):** Indicator still works via volume-EMA fallback — but accuracy is lower. Volumetric strongly recommended.

## Why Tick-Level Trap Detection Reveals Wall Street's Wrong-Siders

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Every market reversal is, at its core, a moment when one group of traders gets caught wrong-side. Retail momentum-buyers chasing the top get trapped when institutions begin distributing. Retail breakout-shorters at the bottom get trapped when institutions accumulate. The trap is invisible on a price chart — but at the **tick level**, it leaves measurable footprints: imbalance at extremes (sellers absorbing buyers at the top, or vice versa), delta exhaustion, absorption signatures, and rejection patterns. TrendFlowTrap detects all these footprints in real time and composites them into a 7-factor score.

The 7 factors capture different dimensions of the trap: **imbalance at price extremes** (institutional absorption), **delta exhaustion** (one-sided flow running out), **absorption** (large orders being filled without price moving), **HVN trap** (price reversing at high-volume nodes where stops cluster), **LVN acceleration** (price breaking through low-volume areas with momentum), **trend alignment** (trap fits broader direction), and **bar rejection** (visible structural rejection). Each factor independently produces edge; combining them via composite scoring filters noise and surfaces the institutional-grade reversals.

### SCORE 80+ TRAPS — INSTITUTIONAL CONVICTION

When the composite trap score reaches 80+, all 7 factors are contributing meaningfully — meaning multiple independent order-flow signals are confirming the same trap simultaneously. Score 80+ traps occur 1-3 times per session on liquid futures and have substantially higher hit rates than score 65-79 traps. The discipline of trading only 80+ traps reduces signal frequency but improves overall account growth significantly. The score breakdown in the dashboard shows which factors contributed — letting you build personal pattern recognition for which combinations work best on your instrument.

## Advanced Reading — Trap Signatures

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- **Score 80+ Buyer Trap at structural support:** Maximum-conviction long — institutional accumulation + structural location.
- **Score 80+ Seller Trap at structural resistance:** Maximum-conviction short — institutional distribution.
- **Buyer Trap aligned with TrendWaves +20 colorsun:** Trap confirms major trend continuation — high-quality add-on entry.
- **Seller Trap against +20 colorsun:** Counter-trend trap — works but lower hit rate; reduce size 50%.
- **Multiple traps same direction within session:** Sustained institutional positioning — bias commitment confirming.
- **Score above 65 but delta still flat:** Borderline trap — wait for delta confirmation before entering.
- **HVN trap signature (high-vol node reversal):** Classic institutional stop-defense pattern at major level.

## Additional Setups

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### ► Setup E — Score 90+ With Full Alignment (Top Setup)

**EXPERT** **Trigger:** Trap score 90+ (rare; top 5% of signals) + trend grid aligned with trap direction + price at major structural level (Floor Pivot, FVG, SQ9 ring).

**Entry:** Full size at trap bar close.

**Stop:** Beyond trap bar extreme by 1× ATR.

**Target:** 3R minimum; hold runner. Score 90+ traps with full alignment produce the largest single-trade returns in the MTF suite.

### ► Setup F — POC Trap (Volume Profile)

**REVERSAL** **Trigger:** Trap marker fires exactly at Point of Control (POC) or Value Area edge from the rolling volume profile. Score 70+.

**Entry:** Counter-direction of approach at POC.

**Stop:** Beyond POC by 1× ATR.

**Target:** Opposite Value Area edge. POC traps respect the rotation logic of auction theory; mean reversion to opposite VA edge is statistically favored.

### ► Setup G — Tick-Reversal + Trap Triple Confluence

**EXPERT** **Trigger:** Trap marker + F369 TICK\_Reversal A+ arrow same direction within 3 bars + ICT\_LiquiditySweepPRO sweep same direction.

**Action:** Three independent institutional reversal signals agreeing. Full size at trap confirmation. Stop beyond the sweep wick. Target multi-day mean reversion. Among the highest-conviction compound setups across the entire F369 ecosystem.

## Common Mistakes With TrendFlowTrap

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- **Running without tick data.** The fallback volume-EMA mode produces lower fidelity. Enable tick replay or use volumetric bars for full edge.
- **Trading score 50-64 signals.** Below the 65 default threshold, trap signal quality drops sharply. Don't override the floor.
- **Ignoring trend-alignment context.** Trend-aligned traps work better than counter-trend traps. Match position size to alignment.
- **Forcing trades during quiet liquidity.** Trap detection requires participation. Quiet sessions (holidays, late August) produce noisy traps; reduce reliance.
- **Disabling score breakdown dashboard.** The breakdown shows WHY each trap fired. Reading it builds intuition over time; disabling removes the diagnostic.
- **Setting ImbalanceRatio too low.** Below 2.5 captures non-institutional imbalances. Default 3.0 is the institutional sweet spot.

## Pairs Well With

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**F369 FLOW\_CVD** (delta confirmation on each trap), **F369 LEVEL\_Pivots** (institutional level + trap = perfect entry zone), **F369 TICK\_Reversal** (breadth-based reversal confirms order-flow trap), **F369 ICT\_LiquiditySweepPRO** (sweep + trap = institutional gold-standard signal), **F369 ICT\_ImbalanceStacker** (footprint imbalance zone + trap = double-confirmation), **F369 OSC\_PowerPlay** (absorption + trap = compound institutional read).

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*"7 factors. 1 trap score. Wall Street's wrong-siders."*

# Suite-Level Confluence Maps

*How to stack the 4 MTF indicators for maximum-conviction multi-timeframe trades*

Each MTF indicator stands on its own — but the real edge appears when you stack them. The four indicators are deliberately complementary: TrendWaves provides *10-timeframe alignment context*, TraderTrend3T fires *filtered signals on time bars*, TraderTrend3TRenko fires *filtered signals on Renko bricks*, and TrendFlowTrap detects *order-flow traps with 7-factor scoring*. When multiple MTF indicators agree, you have signal + context + filter alignment — the institutional-grade execution stack.

## The Four Highest-Conviction MTF Confluence Stacks

### ▲ STACK 1 — THE COLORSUM + SCORE-5 TRIPLE

**Components:** TrendWaves colorsum at +15 or higher (or -15 or lower) + TraderTrend3T score 5 signal in colorsum direction + price at structural pullback level.

**When all three align:** Confirmed multi-timeframe alignment + institutional signal-quality + structural location. Trade with full size; trail dynamic ATR target; hold runners while colorsum stays beyond  $\pm 15$ . Stack 1 days produce among the largest single-day P&L results in the MTF suite. The colorsum provides the bias; the score-5 signal provides the timing; the structural level provides the location. Three institutional dimensions confirming.

### ▲ STACK 2 — THE BEAST-RENKO + TRAP COMPOUND

**Components:** TraderTrend3TRenko BEAST rating (80+ Power Score) + TrendFlowTrap marker same direction within 3 bricks + multi-brick momentum stack.

**When all three align:** Renko momentum + order-flow trap confirmation = institutional commitment plus retail-trap unwinding. Full size; 2-brick Renko-optimized stop; target 3R minimum. The combination catches both the institutional positioning AND the trapped retail unwind simultaneously — producing some of the cleanest Renko entries available anywhere.

### ▲ STACK 3 — THE FULL-ALIGNMENT TREND DAY

**Components:** TrendWaves colorsum at +20 (or -20) for 5+ bars + TraderTrend3T multiple consecutive score 4+ signals same direction + TraderTrend3TRenko consecutive BEAST/STRONG ratings.

**When all three align:** Locked-in institutional trend day across multiple chart types. Both time-bar and Renko indicators confirming. Hold positions through all normal pullbacks; add at each score 4+ or STRONG+ signal. Do not take counter-trend trades. Trend days produce 60-80% of monthly P&L in the MTF framework — protect them aggressively.

### ▲ STACK 4 — THE REGIME-CHANGE REVERSAL TRIPLE

**Components:** TrendWaves colorsum crossing zero (regime change) + TrendFlowTrap score 80+ trap in new direction + TraderTrend3T failed-signal counter (signal in old direction failed within 5 bars).

**When all three align:** Major institutional rotation confirmed by three independent measurements. Reverse all existing bias. Build counter-position progressively as each indicator confirms. Stop beyond the structural extreme of the prior trend. Target opposite  $\pm 15$  colorsum; hold for multi-session reversal. Regime-change setups produce the largest reversal P&L in the MTF suite.

## The MTF Conviction Matrix

TRADE TYPE	REQUIRED MTF SIGNALS	SIZE ALLOCATION
Maximum Conviction	Any of Stack 1, 2, 3, or 4 firing	Full size; runners encouraged
High Conviction	2 of: colorsum $\pm 15+$ , score 4-5, BEAST/STRONG, trap score 80+	Standard size
Standard	Single MTF signal + structural level + cooldown clear	Half size
Scout	Score 3 or NORMAL with marginal context	Quarter size or skip
Skip	Score 2, WEAK/WUSS, trap below 65, against full alignment	No trade

## Workspace Layouts For MTF-Wide Trading

### Layout A — Day Trader (2 Panels Same Chart)

**Main chart (5-min time bars):** TraderTrend3T (with all filters + dashboard). **Subpanel:** TrendWaves (colorsum + 10-row grid). The 3T fires entries; the colorsum confirms direction context.

### Layout B — Renko Specialist (1 Renko Chart)

**Renko chart (6-tick bricks for NQ, 4-tick for ES):** TraderTrend3TRenko (Power Score + BEAST display) + TrendWaves (regime context). Pure brick-based execution with multi-timeframe context.

### Layout C — Order Flow Trader (Volumetric Chart)

**Volumetric chart with tick replay:** TrendFlowTrap (7-factor traps + delta + grid) as primary. Add TraderTrend3T for signal confirmation. Requires tick data for full edge.

### Layout D — Multi-Chart Confluence (3 Charts)

**Chart 1 (time bars):** TrendWaves alignment dashboard.

**Chart 2 (Renko):** TraderTrend3TRenko. **Chart 3**

**(volumetric):** TrendFlowTrap. Highest-conviction confluence comes from same-direction signals across all 3 chart types.

## The "MTF-First" Daily Workflow

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1. **Pre-session:** Check overnight TrendWaves colorsum state. Note if it's already in  $\pm 15+$  alignment or near zero.
2. **First 15 minutes RTH:** Watch first TrendWaves rows establish. Trap indicator builds initial profile.
3. **15-60 minutes:** First TraderTrend3T signals likely now. Match against colorsum direction for Stack 1 setups.
4. **Mid-morning:** If colorsum reaches  $\pm 20$ , prepare for Stack 3 (full-alignment trend day). Don't fade.
5. **Mid-day:** Watch TrendFlowTrap for high-quality score 80+ traps at major levels. Stack 4 (regime-change) setups appear in transitional sessions.
6. **Renko users:** Monitor Power Score continuously. BEAST signals at structural levels are top-tier; Stack 2 compounds with trap confirmation.
7. **Late session:** Take profits before end-of-day cooldown. Don't initiate fresh trades within 30 minutes of close.
8. **End of session:** Note ending colorsum, last signal scores, BEAST/STRONG counts. These become tomorrow's starting context.
9. **Weekly review:** Track personal hit rate by Stack number. Identify which MTF indicator works best for your psychological discipline.

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*"Four indicators. Four confluence stacks. Institutional execution."*

# Installation & Support

*Get the F369 MTF Suite live in NinjaTrader 8*

## Installation Steps

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1. **Download.** Locate your F369\_MTF\_Final.zip from your 369Forecast member's area.
2. **Open NinjaTrader 8.** Close active charts that you'd lose data from.
3. **Tools → Import → NinjaScript Add-On.** Browse to the ZIP and select it.
4. **Accept the license.** Vendor License 995 confirms authentic 369Forecast Elite Capital product.
5. **Restart NinjaTrader.** Required for indicators to appear in the indicator list.
6. **Add to chart.** Right-click chart → Indicators → search "F369\_MTF" → add the indicators you want.

## Required Data

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**Standard OHLCV for most:** TrendWaves, TraderTrend3T, and TraderTrend3TRenko all operate on standard data. TrendFlowTrap benefits significantly from **volumetric bars or tick-replay data** for maximum signal quality, but will fall back to volume-EMA mode if tick data isn't available.

## Performance Notes

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### Tick Replay for TrendFlowTrap

To get the full footprint trap detection accuracy, enable Tick Replay on the chart's Data Series settings. Limit historical load to 5-10 days for intraday work (tick replay is RAM-intensive). The other three MTF indicators are lightweight and run cleanly on any data load.

### Renko Bar Type for TraderTrend3TRenko

The Renko variant only works on Renko bar charts. On NQ, 6-tick bricks are recommended. On ES, 4-tick. On crypto, adjust brick size to roughly 0.1% of price for cleanest signals.

## Common Issues

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### "No signals printing on TraderTrend3T"

Most common: you're outside RTH and EnableSessionFilter is on. Either wait for market hours or disable the session filter.  
Second most common: extreme ATR regime — check the dashboard, signals are filtered out when volatility is in the bottom 15th or top 95th percentile.

### "TrendFlowTrap dashboard shows 'Fallback Mode'"

Tick data isn't loaded. Either enable Tick Replay on the chart, or accept the lower-fidelity volume-EMA mode (still functional, just less accurate).

### "All signals are WUSS or WEAK rated"

Current market conditions are unfavorable — that's exactly what the rating is telling you. Either reduce MinPowerScore temporarily, or stand aside until conditions improve.

## Support & License

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Website:	<a href="http://www.369forecast.com">http://www.369forecast.com</a>
Support Email:	<a href="mailto:369Forecast@gmail.com">369Forecast@gmail.com</a>
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