

Blitz Indicator Suite

Two indicators, one execution engine — RSI Divergence Ladder 3.1 & Blitz Trend Sniper v4.1

Files	<code>blitz_trend_sniper_v4_1.pine</code> · <code>blitz_rsi_divergence_ladder_v3_1.pine</code> (Pine Script v6)
Version / verified	Sniper v4.1 · Ladder 3.1 — rebuilt and re-verified 2026-08-23
Test environment	15m chart · BTC / ETH / SOL / XRP / BNB (USDT perpetual) · 2024-01 → 2026-08 (2.6 years, ~92,600 bars per symbol)
Headline result	High win-rate mode: 63.3% win rate · +8.2R · PF 1.15 · max drawdown -13.5R (fees included)
Out-of-sample	From 2025-09-20: 66.7% win rate · +7.7R · PF 1.36 (58 trades)
Status	Backtest-supported candidate. Not a guarantee. Read section 12 before you trade it.

New in this edition — Blitz Trend Rider

A third indicator joins the suite. It is a validation build, and you get it on the same terms as the other two.

File	<code>blitz_trend_rider_validation_EN.pine</code> (Pine Script v6)
What it is	A 2H / 4H trend-following breakout: a 20-bar channel break, allowed only in the direction of the daily EMA50.
Rule	Fixed research rule “F4”, pre-registered 2026-10-04. Parameters are frozen during validation.
Status	UNDER VALIDATION · NOT A PROVEN EDGE
Access	Same as the Ladder and the Trend Sniper: invite-only on TradingView, handed over free to anyone who opens an exchange account through Blitz, completes KYC and makes a first deposit (any amount).
Where to read	Appendix A at the end of this manual (from page 14).

The suite at a glance

Indicator	Chart	What it hunts	Status
Blitz Trend Sniper v4.1	15m · crypto perpetuals	A regular RSI divergence with four gates aligned on one closed bar	Backtest-supported candidate — sections 1–14
RSI Divergence Ladder 3.1	15m · crypto perpetuals	The same signal, plus the market context that explains it	Backtest-supported candidate — sections 1–14
Blitz Trend Rider (validation build)	2H or 4H only · crypto, stocks, ETFs, commodities	A 20-bar breakout in the direction of the daily trend, held with a wide trailing stop	Validation build — Appendix A

How Trend Rider differs from the other two

The Sniper and the Ladder look for reversals on 15m and aim for a high win rate. Trend Rider does the opposite: it joins a move that has already broken out, on 2H or 4H, and lets a trailing stop decide when it is over. It loses more often than it wins; the profits in research came from a minority of trades and a few large trends.

Read before you use it

Stops are wide (typically ~11–14% of price), so positions must be small. The win rate is low (~35–50%) and losing streaks are long. The stats table on the chart is a local model, not a broker statement. Alerts do not place orders. The research numbers in Appendix A are backtests of a validation build, not live results.

Sections 1–14 of this manual are unchanged and cover the Ladder and the Trend Sniper only.

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1. At a glance

You receive **two indicators**. They are not competitors and they are not two versions of the same thing — they share one execution engine and one validated signal, and they differ only in what they draw around it.

Indicator	What it is for	Draws
Blitz Trend Sniper v4.1	The clean execution view. Nothing on the chart except the setup and the plan.	Signal label · entry / stop / TP1 / TP2 · risk-reward zones · gate dashboard · performance table
RSI Divergence Ladder 3.1	The study view. Everything the Sniper draws, plus the market context that explains it.	All of the above <i>plus</i> ladder stages 1/3–3/3, BOS / CHoCH, SFP liquidity sweeps, S/R zones, divergence lines

The one situation both of them hunt

All four true on the same closed bar: 1) regular RSI divergence 2) 1H close on the right side of EMA200 3) 15m EMA21/EMA55 aligned the same way 4) volume above 1.3× its 20-bar average.

In the Ladder's default **Validated (trend-aligned)** profile the two indicators take **identical trades** — they insert the same shared code fragment, verified trade-for-trade against our test harness. Run whichever view suits you; running both on one chart is redundant, not additive.

2. What changed in this update

We commissioned a hostile review of our own code. It found three real defects, and every one of them made our published numbers look better than reality.

Defect	What went wrong	Fix in this version
Ghost targets	Old target levels were not fully cleared when a trade closed, so a later price touch could pop a label for a trade that no longer existed.	A single close path resets every plan field. No stale levels can survive it.
Entry-price mismatch	The backtest entered at the open of the bar after the signal. The chart recorded the signal bar's close . Small per trade; wrong in principle.	The chart now enters at the next bar's open — the same price the backtest counts. You see <code>SETUP CONFIRMED</code> , then <code>PLAN OPENED</code> one bar later.
Friendly rounding	When one bar touched both the target and the stop, the old code let the target win.	If a bar hits both, the stop wins. Losses are booked, not rounded away.

We then rebuilt the testing engine itself so that every number we publish comes from one reproducible run. When we re-tested on the same data, the *structure* of our old claims held — Bitcoin strongest, 2025 a losing year, out-of-sample better than the design period — but the absolute numbers came out lower.

Metric (high win-rate mode)	Published before	Official now
Win rate	66.7%	63.3%
Total R	+16.8R	+8.2R
Profit factor	1.32	1.15

Why we lowered our own number

We could not fully reconstruct how the older figures were computed — which is exactly the problem with numbers that cannot be re-run. The stricter, reproducible figures are the official ones from now on. If you ever see an indicator *raise* its advertised win rate after an update, ask for the test they can re-run.

Beyond the engine, the Ladder was split into two strict layers and its stages were renamed to describe what the code actually checks (section 7), and several unvalidated extras were removed entirely — Pistol / L patterns, the Gartley harmonic, the 4H channel, the MA-gap readout, WATCH partial exits and the "Best" presets. Each of them either polluted the scorecard, issued commands that were never validated, or simply made the chart harder to read.

3. The validated signal — four gates

A candidate exists only when all four gates pass on the same **closed** bar. Nothing is judged on an unfinished bar, so nothing repaints.

#	Gate	Exact rule	Why it is there
1	Regular RSI divergence	Long: a confirmed 6/6 pivot low prints a <i>lower</i> low than the previous pivot low while RSI(14) prints a <i>higher</i> low. Short is the mirror.	The seed of a turn. On its own it is not an edge — tested alone it loses money.
2	1H trend	The last completed 1-hour bar closed above EMA200 (longs) or below it (shorts).	The tide. This is the gate that turned a losing pattern into a profitable one.
3	15m EMA alignment	EMA21 > EMA55 for longs, EMA21 < EMA55 for shorts.	The wave. Keeps you out of chop that agrees with the tide only on paper.
4	Volume	Signal-bar volume > 1.3 × the 20-bar average.	The fuel. Participation, not a lone wick.

The stop is the divergence pivot padded by $0.5 \times \text{ATR}(14)$. Targets are multiples of that risk, so every trade is measured in **R** — one R is whatever you decided to risk.

These four gates did not change in this update.

They stayed frozen through the entire rebuild. What changed is how the plan is executed and how the results are counted.

4. The common execution engine

Both indicators run the same engine. Its behaviour is defined by a Python reference implementation, and the Pine version is verified against it trade for trade.

1. **Signal bar closes** → a pending setup is created. The chart prints `SETUP CONFIRMED` and the label says plainly: this is not an entry yet.
2. **Next bar opens** → the risk filter checks the real stop distance against the actual open price. If it is above 5% or below 0.05% of price, the setup is cancelled. Otherwise the plan opens at that open price and prints `PLAN OPENED`.
3. **Every confirmed bar afterwards** → wick touches count for both stop and target. If one bar touches both, the stop wins. At TP1 half the position is booked and the stop moves to breakeven (optional). At TP2 the plan closes.
4. **Timeout** → a plan still open after 400 bars (about four days on 15m) is closed at market.
5. **Close** → one single code path books the fee (0.1% round trip in R terms), writes the result label, updates the scorecard and fully resets the plan. No re-entry on the exit bar.

One plan at a time

While a plan is open, new signals are ignored. This is deliberate: it is what the backtest assumes, and it keeps your risk defined. If you want more concurrent trades, add symbols, not positions on one symbol.

4.1 Management modes

Mode	TP1	TP2	Character
High win-rate (default)	0.7R — half off, stop to breakeven	2R — remainder	Frequent small wins; the number most people find easy to hold to.
Balanced	1R — half off, stop to breakeven	3R — remainder	Between the two.
Max R	—	Fixed 2R, no scaling	Lower win rate, higher total R, deeper drawdowns.

5. Backtest results

5 symbols · 15-minute bars · 2024-01 → 2026-08 · fees included (0.1% round trip) · entries at next-bar open · one plan at a time. One command re-runs the whole thing.

5.1 Headline

Mode	Trades	Win rate	Total R	PF	Max DD	Worst streak
High win-rate	140	63.3%	+8.2R	1.15	-13.5R	5 losses
Max R	139	40.3%	+13.9R	1.16	-24.1R	10 losses

5.2 Per symbol (high win-rate mode)

Symbol	Trades	Win rate	Total R	PF
BTCUSDT	32	75.0%	+8.98R	1.96
BNBUSDT	32	64.5%	+2.08R	1.17
SOLUSDT	22	68.2%	+1.13R	1.15
ETHUSDT	28	53.6%	-0.12R	0.99
XRPUSDT	26	53.8%	-3.86R	0.70

Read this table honestly

Bitcoin carried the result. Two of the five symbols lost money over 2.6 years. A tool whose profit concentrates in one symbol is a tool you should size carefully — and it is exactly the sort of detail an honest manual has to print.

5.3 By year and out-of-sample

Period	Trades	Win rate	Total R	PF
2024	53	66.0%	+7.30R	1.38
2025	46	56.5%	-5.53R	0.75
2026 (to Aug)	41	67.5%	+6.43R	1.45
Out-of-sample (from 2025-09-20)	58	66.7%	+7.68R	1.36

2025 was a losing year. We publish it because a strategy that has never had a losing year has usually not been tested long enough. The out-of-sample window — data the design never saw — held up, which is the more meaningful check.

5.4 How often it actually signals

Scope	Average	Range observed
One symbol	~1 signal / month	0–4 per month
Five-symbol watchlist	~5 signals / month	1–11 per month

Mid-2025 ran three consecutive months at a single signal across all five symbols. Silence is a normal state for this tool, not a fault.

6. Reading the chart — Trend Sniper v4.1

6.1 The trade sequence

You see	It means	You do
SETUP CONFIRMED	All four gates passed on the bar that just closed. Not an entry. Hover it to read the four reasons with real numbers.	Nothing yet. Get ready.
PLAN OPENED	Entered at this bar's open. Entry / stop / TP1 / TP2 lines and the risk-reward zones are now drawn.	Place the position and the stop. Size it so the stop distance equals your 1R.
HALF OFF! STOP TO BE	TP1 touched. Half the position is booked; the stop moves to your entry price.	Take half. Move the stop.
WIN / LOSS / BE	The plan is closed and the result — fees included — is written to the scorecard.	Flat. Wait for the next setup.
SETUP CANCELLED	The risk filter rejected it at the next open — the stop was further than 5% or closer than 0.05%.	Nothing. This is the filter protecting you.

6.2 Gate dashboard

Top corner, one row per gate, so you can see *why* nothing is firing. **1H trend** tells you which direction is even allowed today; **15m EMA 21/55** and **Volume** change bar to bar; **Plan** shows the open position's live R.

About the SETUP row

It reads "armed" only in the instant between the signal bar closing and the next bar opening, because the plan opens on that next bar's very first tick. The **SETUP CONFIRMED** label on the chart is the lasting record — the dashboard row is a live indicator, not a log.

6.3 Performance table

It names its own population: **managed plans**, with the active profile and mode. It counts exactly the trades the engine managed on the bars your chart has loaded — nothing else. Fees are included when the toggle is on (default). The **max consecutive losses** row is there on purpose: it is the number that tests your discipline, not the win rate.

Your table will not match this manual

TradingView loads a limited number of bars, and the count depends on your plan, symbol and timeframe. The manual's figures come from the full 2.6-year test across five symbols. A different number on your screen is expected, not a bug.

7. Reading the chart — RSI Divergence Ladder 3.1

Half of what an indicator draws is information; the other half is instruction. Version 3.1 separates them into two layers that never touch each other.

7.1 The RAW layer — information only

Small, one-word, translucent marks. They never open, close or modify a plan, and they never touch the scorecard. Hover any of them for the full explanation.

Mark	Exact meaning
1/3 — candidate	A regular divergence just confirmed. The marker sits on the confirmation bar ; the pivot itself is 6 bars back, where the divergence line points. A candidate, nothing more.
2/3 — level reclaimed	Price closed back over the pivot candle's high (or low). The old version called this a "structure break" — it is not; it is one candle's level, reclaimed.
3/3 — momentum OK	RSI back over 50 and price back over EMA21. Still not an order.
BOS	A close beyond the last confirmed swing level.
CHoCH	The same break, but against the standing structure — the first crack of a possible trend change.
SFP	The wick takes out a swing level and the close snaps back: a liquidity sweep.
Shaded zones	The last confirmed swing high and low, widened by about a third of an ATR.

The ladder narrates; it does not command.

A 3/3 with no gates behind it opens no plan. In the validated profile the plan triggers only on a bar where all four gates pass.

7.2 The MANAGED layer — the plan

Identical to the Sniper: same engine, same labels, same scorecard. Section 6 applies unchanged.

7.3 Strategy profiles

Profile	What it does	Benchmark
Validated (trend-aligned) — default	All four gates enforced. Candidates are identical to Sniper v4.1 by construction.	The published numbers in section 5 apply.
Custom / Unvalidated	Unlocks the individual gate toggles — you may allow counter-trend candidates, drop the volume requirement, or make the ladder's 3/3 the plan trigger.	Do not apply. A permanent CUSTOM banner appears on the dashboard and the scorecard.

Why the banner is permanent

We ran an eight-stage study on reversal-style configurations (counter-trend divergence, sweeps, necklines, retests) in August 2026. After costs, every stage lost. Experiment freely — just never mistake an experiment for the validated edge.

8. Optional helper panes

Two small display-only scripts are included. They add no rules; they make the existing rules visible, which is useful while you are learning to trust the signal.

Pane	Shows
blitz_rsi_divergence_pane	RSI with a dot on every 6/6 pivot and a bright line connecting the two pivots whenever price makes a lower low while RSI refuses to follow. Gate 1, drawn.
blitz_volume_gate_pane	Volume, its 20-bar average, and the 1.3× gate line in yellow. Bars that clear the gate are bright; bars that miss it are faded. Gate 4, drawn.

Recommended layout: price chart on top (~60%), RSI pane, then the volume pane. When a signal fires you can watch all three floors agree on the same bar.

These panes are display-only.

They are not part of the validated logic and they do not affect a single trade. The main indicator's own gate check is what decides.

9. Alerts (and the migration you must do)

Do this first if you already run our alerts

TradingView freezes the script inside an alert at the moment you create it. Your existing alerts will keep running the **old** code forever, no matter how many times you update the indicator. Delete them and create new ones.

Create **one** alert with condition `Any alert() function call`. That single alert carries all four event types with live prices:

Event	Fires	Message contains
SETUP CONFIRMED	At the signal bar's close	Direction, planned stop, and the four reasons. States explicitly that it is not an entry yet.
PLAN OPENED	At the next bar's open	Entry, stop with its % distance, TP1, TP2.
TP1 / management	When TP1 is touched	Take half profit; move the stop to breakeven (or that it stays put).
PLAN CLOSED	On close	WIN / LOSS / BE with the R result and the reason.

Different event types can legitimately fire on the same bar — on an entry bar you may receive PLAN OPENED at the open and PLAN CLOSED at the close. Each type fires at most once per bar. Four fixed-message alert conditions are also available if you prefer them, but they carry no prices.

10. Usage workflow

1. Add the indicator to a **15-minute** chart. This is the only timeframe the published numbers cover.

2. Leave `Confirm signals on bar close` ON. Turning it off makes labels repaint and lets alerts fire before a bar's final verdict.
3. Pick a management mode. Start with High win-rate unless you have a reason not to.
4. Build a watchlist of about five liquid symbols. One symbol produces roughly one signal a month — not enough to stay disciplined on.
5. Create the single `Any alert() function call` alert on each symbol.
6. When PLAN OPENED fires: size the position so the distance from entry to stop equals the amount you are willing to lose (your 1R, commonly 1% of the account).
7. Follow the plan. Take half at TP1, move the stop, let the rest run to TP2 or the stop.
8. Do not add a second position on the same symbol while a plan is open.

11. Input reference

11.1 Signal engine (both indicators)

Input	Default	Notes
RSI length	14	Part of the validated combination. Changing it invalidates the published numbers.
Pivot left / right bars	6 / 6	A pivot is confirmed 6 bars after it forms — this is why the ladder's 1/3 marker sits on the confirmation bar.
HTF trend timeframe / EMA	60 / 200	Only the last completed 1H bar is used, so it cannot repaint.
Local fast / slow EMA	21 / 55	Gate 3.
Volume multiple	1.3	Gate 4.
Long / short signals	both on	Turn one off if your account or jurisdiction requires it.

11.2 Trade management

Input	Default	Notes
Management mode	High win-rate	See 4.1.
Breakeven stop after TP1	on	Off means the original stop stays; higher total R, lower win rate.
SL buffer (ATR)	0.5	Padding below the divergence pivot.
Time-out exit after bars	400	About four days on 15m.
Skip if SL distance > %	5.0	Checked at the actual entry price. Also rejects setups below 0.05%.

11.3 Ladder-only

Input	Default	Notes
Strategy profile	Validated (trend-aligned)	See 7.3.

Input	Default	Notes
Custom gate toggles / staged entry	—	Active only in the Custom profile. Triggers the permanent CUSTOM banner.
Raw layer toggles	on	Ladder labels, BOS/CHoCH, SFP, S/R zones — each can be turned off independently.

12. What this tool is NOT

In late August 2026 Bitcoin ran 24% in four days and this indicator opened zero trades. That is not a malfunction, and the reason is worth your time.

Our signal needs a **lower** low while RSI holds. A vertical rally never prints that pattern — it climbs on higher lows. So we asked whether the miss could be fixed, and tested three entry families on the same data:

Attempt	Result after costs
Same signals, trailing stop instead of a fixed target	+8.2R became -7.2R . 15-minute noise knocks the trail out long before a big move matures.
Breakout entry (1-day channel, in the 1H trend direction)	Reaches 23 of the 25 biggest rallies — and earns +0.003R per trade over 1,869 trades. Statistically zero.
Breakout + volume filter / + displacement filter / pullback-continuation	All negative .
Reversal-style engine (eight-stage study)	Negative at every stage.

Of the 25 biggest three-day rallies across our five symbols (+18% to +87%), only **2** had a signal anywhere near them. Three entry families were tested; divergence-plus-trend-gates was the only survivor.

So what this is

A **pullback harvester**. It earns its result by collecting small, frequent, well-defined bounces — about five a month across five symbols — and it does not chase vertical rallies, because on the 15-minute chart every rule we tested for chasing them lost money after costs. Wanting a piece of the big move is a legitimate goal; it is a holding-strategy job, not a 15-minute signal job.

13. Limitations & risk

- **Backtests are historical.** Fees are included but slippage, funding and exchange outages are not. Live results will be worse than the table.
- **Concentration.** Bitcoin produced most of the profit; two of five symbols lost money over 2.6 years.
- **A losing year exists.** 2025 finished at -5.5R in high win-rate mode.
- **Drawdown is real.** -13.5R peak-to-trough and a five-loss streak in the tested window. At 1% risk per trade that is roughly a 13% account drawdown — plan for worse.
- **Sample size is small.** 140 trades over 2.6 years. That is enough to reject a bad idea, not enough to be certain of a good one.

- **One timeframe, one market type.** Validated on 15m crypto perpetuals only. Other timeframes and asset classes are untested.
- **It will miss the biggest moves.** By design — see section 12.
- **Not financial advice.** This is an educational tool. Crypto and derivatives trading involve a substantial risk of loss.

14. FAQ

Q. No signal for days. Is it broken?

Almost certainly not. One symbol averages about one signal per month, and quiet quarters happen — mid-2025 ran three straight months at a single signal across all five symbols. Open the gate dashboard: it will show you which gate is blocking.

Q. Does it repaint?

No, with the default `Confirm signals on bar close` ON. Pivots are confirmed 6 bars after they form, the 1H trend uses only completed 1H bars, and entries happen at the next bar's open. Turning that input off makes it repaint — that is the point of the toggle.

Q. Why does **SETUP CONFIRMED** not enter immediately?

Because a signal is only real once its bar closes, and the closing price is not tradable any more. Entering at the next bar's open is what the backtest assumes, so the chart now does the same. It costs a fraction of an R and buys you numbers you can trust.

Q. Can I run both indicators on one chart?

You can, but in the Validated profile they produce identical trades, so you would double every label and count the same plan twice. Pick the view you prefer.

Q. Can I use a different timeframe?

The published numbers cover 15m only. The logic will draw on any timeframe; nothing about its performance there has been tested.

Q. Can I tune the settings for a higher win rate?

You can make the historical number look better — that is what curve-fitting is. The four gates and their values are the combination that survived out-of-sample testing. Change them and you are trading an untested idea with a validated-looking chart.

Q. My performance table shows different numbers.

Expected. It only counts the bars your chart has loaded, on one symbol. The manual's figures are the full five-symbol, 2.6-year test.

Q. Why did my old alerts stop matching the chart?

TradingView froze the old script inside them. Delete and recreate — section 9.

Blitz Indicator Suite — Sniper v4.1 · Ladder 3.1 · verified 2026-08-23. Educational content, not financial advice.
Historical backtests do not guarantee future results. Crypto and derivatives trading involve a substantial risk of loss.

Appendix A — Blitz Trend Rider

Validation build · 2H / 4H Donchian breakout + daily EMA50

File	blitz_trend_rider_validation_EN.pine (Pine Script v6) · short title “Trend Rider (val.)”
Rule	“F4”, pre-registered 2026-10-04, parameters frozen
Timeframe	4H (default, best tested) or 2H (faster swing, average hold ~3 days vs ~6). Any other timeframe: the script stays idle.
Markets	Crypto, stocks, ETFs, commodities, futures — direction defaults depend on the asset type (A.1)
Status	UNDER VALIDATION · NOT A PROVEN EDGE

A.1 At a glance

Trend Rider waits for price to close beyond its recent range, and only in the direction the daily trend already points. Once in, it does not aim for a fixed target on longs: a wide trailing stop follows the move and decides when it is over.

Asset type (Auto)	Longs	Shorts	Why
Crypto	ON	ON	Multi-asset holdout (2026-10-04, rule unchanged): longs were positive on large coins, US mega-caps, ETFs and commodity ETFs; shorts were negative on stocks / ETFs / commodities and near zero on crypto.
Everything else — stocks, ETFs, commodities, futures ...	ON	OFF	

Each side can be forced On or Off in the inputs (A.6). One position per chart.

A.2 The signal

A setup is confirmed on a closed bar when **both** are true:

- **Breakout.** The bar closes above the highest high of the previous 20 bars (short: below the lowest low).
- **Daily trend.** The last *completed* daily close is on the same side of the daily EMA50 — above it for longs, below it for shorts.

Crypto longs only — weak breakouts are skipped

A crypto long is ignored when the signal bar’s range is under $1.2 \times \text{ATR}_{14}$, or its close is less than $0.15 \times \text{ATR}_{14}$ beyond the channel. This filter is not applied to stocks, ETFs or commodities — in research it hurt there.

The daily EMA50 is built from the chart’s own bars, with no request for other timeframes. A day counts as completed at 00:00 UTC for crypto, and at the last bar of the regular session for other markets. Until 50 completed days have loaded, the trend reads “warm-up/flat” and no setup is taken.

A.3 Reading the chart — the trade sequence

You see	It means	You do
 setup marker	Setup confirmed at this bar’s close. Not an entry yet. Hover the marker for the plan and the initial stop (the “Detailed” setting draws the full box).	Prepare. With the default execution, the entry is the next bar’s open.
	Entered. Initial stop = signal close $\mp 5 \times \text{ATR}_{14}$ (chart timeframe).	Place the position and the stop. Size it so the stop distance equals your 1R.

You see	It means	You do
Teal / red line under or over price	Chandelier trailing stop: the highest high since entry – 5 × ATR14 (short mirrored). It is updated at each confirmed close and applies from the next bar. It only moves in your favour.	Move your stop to the line after each bar close.
Red line below price (shorts)	Short target: shorts close in full at +3R. Longs have no target — the trail only.	Rest a take-profit order at the line.
EXIT +x.xxR (y%)	Trade closed; result after fees. The alert names the reason: TRAIL (trailing stop), SL (initial stop), TP (short +3R), NOPROG , TIMEOUT .	Flat. Wait for the next setup.
NOPROG (crypto longs)	18 bars passed and the trade never reached +0.5R → exit at the close.	Close at the bar close.
 EXPIRED (limit mode)	The limit at the signal close did not fill within 2 bars. A touch is not a fill — price must trade through it.	Cancel the unfilled limit.
TP1 TP2 (optional)	Only if partial take-profit is switched on (OFF by default): 1/3 closes at +1R and 1/3 at +2R; the rest follows the normal exits.	Take the third.

Other chart elements

- **20-bar channel** — teal step line (prior 20-bar high) and red step line (prior 20-bar low).
- **Background tint** — light teal while the daily trend is up (longs allowed), light red while it is down (shorts allowed).
- **Wrong timeframe notice** — “Trend Rider works on 2H or 4H charts only”, bottom right. Nothing else is drawn.

A.4 The stats table

Bottom right, headed **TREND RIDER · VALIDATION** and **LOCAL MODEL · UNVALIDATED**. It counts only the trades the engine managed on the bars your chart has loaded, on this symbol. It is a local model, not a broker statement, and funding is not modelled.

Row	Shows
Trades · Win rate	Closed trades on the loaded bars; share of trades with R above zero
Total R (after fees)	Sum of R including maker / taker fees and slippage from the inputs
Max drawdown R	Deepest fall of cumulative R from its peak
Daily trend	UP → longs · DOWN → shorts · warm-up/flat
Direction	Crypto or Non-crypto, and which sides are on (L+S, L only, S only)
TF profile · Last setup	2H or 4H; side and time of the most recent setup

A.5 Alerts

Three alert conditions fire at bar close, only when the engine actually creates a setup (flat, nothing pending):

Condition	Message
Any setup confirmed	✂ Blitz Trend Rider — {{ticker}} ({{interval}}) · Setup confirmed @ close · entry planned next bar (not an entry yet)
Setup confirmed — LONG	Same, long setups only
Setup confirmed — SHORT	Same, short setups only

Choosing “**Any alert() function call**” instead sends the full event stream: SETUP CONFIRMED (with plan and initial stop), ENTRY, TP1 / TP2, EXIT with reason and R, and EXPIRED. **Alerts do not place orders.**

A.6 Inputs

Input	Default	Notes
Long entries · Short entries	Auto (by asset type)	Auto / On / Off. See A.1.
Partial take-profit	Off	TP1 +1R and TP2 +2R, 1/3 each
Entry execution	Next bar open (market)	Or “Limit at signal close (2 bars)”: fills only when price trades through it (maker fee); the stop may trigger on the fill bar.
Maker fee · Taker fee	0.02% · 0.05%	Used by the stats table
Adverse slippage	0 bps	Applied to market fills and stops
Show local stats table	On	
Label language	English	Or 한글 (쉬운말)
Setup label	Compact	Compact (marker, hover for plan) · Detailed (full box) · Off. Alerts are not affected.
Show 20-bar channel · Show trailing stop	On · On	

The rule itself — 20 bars, 5 × ATR14, daily EMA50, short +3R, the crypto-long filter — is fixed in the code and has no input while it is being validated.

A.7 Research notes — under validation, not results

These come from the research behind rule F4. They describe the test, not what you will get.

Topic	Note
4H vs 2H, coins	Coins 2021~ with real funding: 4H +398R, PF 1.48 · 2H +306R, PF 1.18
4H vs 2H, longs off crypto	Regular hours, 2023-11~: mega-caps +62R vs +59R · ETFs +16R vs +32R · commodity ETFs +33R vs +48R. Shorts stay negative on both.
Short +3R target	Coin shorts 2021~: +17R → +67R. Win rate unchanged (~38%) — it raises payoff, not hit rate.
Crypto-long filter + NOPROG	Coin longs 2021~: +295R → +341R, win rate 35.0% → 37.9%. Hurt stocks / ETFs / commodities, so not applied there.
Partial take-profit	Win rate +1–4 points, but totals fall (coins 4H +398R → +243R) — hence OFF by default.

Caveats

The stock list is today’s mega-caps (survivorship). 16 of the 20 coins were already in the F4 selection sample. Stock / ETF 4H data covers only ~3 years. Positions across symbols are correlated, and nothing is yet statistically confirmed at portfolio level.

A.8 Limitations & risk

- **Wide stops.** Typically ~11–14% of price. Size positions small.
- **Low win rate.** ~35–50%, with long losing streaks.
- **Profits are concentrated.** They come from a minority of trades and a few large trends. Skipping setups after a losing run is how you miss them.
- **Correlation.** Several symbols often break out together. Running it on many charts is not diversification.
- **Not financial advice.** An educational tool in validation. Crypto and derivatives trading involve a substantial risk of loss.

A.9 FAQ

Q. Nothing shows on my 1H (or 15m, daily) chart.

Expected. It works on 2H or 4H only; on other timeframes it stays idle and shows a notice.

Q. Does it repaint?

No. It uses confirmed bars only, and the daily trend uses completed days only. On stock charts, turn extended hours OFF — the research used regular-hours 4H bars and the day closes at the last regular-session bar.

Q. I got a setup but no entry.

In limit mode the order must fill within 2 bars by trading through the signal close; otherwise it expires. Entries are also skipped when the initial stop would be under 0.05% or over 30% of price.

Q. Why no shorts on stocks?

In research shorts were negative on stocks, ETFs and commodities, so Auto turns them off there. You can force them On, but that is untested territory.

Q. It loses more trades than it wins. Is it broken?

No. That is how trend following works here: many small losses, a few large trends. Judge it in R over many trades, not by win rate.

Q. How do I get access?

The same way as the other two: all three are invite-only on TradingView and handed over free to anyone who opens an exchange account through Blitz, completes KYC and makes a first deposit (any amount). Apply on the indicator page. The rule's parameters stay frozen while it is being validated.