TRADERSUITE · PROFESSIONAL INDICATOR SERIES

TS Reversal Ribbon

The complete user guide: how the 10-line ribbon measures a turning trend, what every line, colour and label means, the exact rules behind the REV signals and the BUY / SELL entries, every setting, and a step-by-step plan for trading it with proper risk control. Everything is worked out on closed bars and never repaints.

v1.0.3

tradersuite.online

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WHAT TO INSTALL

```
TS_Reversal_Ribbon_v1.0.3.zip

One zip  ·  one indicator  ·  one licence key
```

1. **Import the zip - leave it zipped.** Control Center > Tools > Import > NinjaScript Add-On... > choose `TS_Reversal_Ribbon_v1.0.3.zip`.
2. **Restart NinjaTrader.** So the new indicator is loaded.
3. **Open a chart with plenty of history.** At least 5 days of 1-minute data (or 10+ days on 5-minute). The indicator needs 220 bars before it draws anything.
4. **Press Ctrl+I and add it.** Open the folder **TraderSuite** and double-click `TS_Reversal_Ribbon`.
5. **Paste your licence key** into `0A. License > License Key` and click OK.

The 30-second version

Ten moving averages form a ribbon. A thick 200 MA sets the trend. When most of the ribbon turns against that trend, a **REV BEAR** or **REV BULL** prints - but only counts if price is already on the new side of the 200 MA. Then wait for a pullback on the **white** and **orange** lines. When the white line crosses back, **SELL** or **BUY** prints with a stop and a target drawn for you.

GETTING ORIENTED

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How to read this guide

Sections 1-4 get you running and explain what you see. Section 5 gives the exact rules. Sections 6-8 walk through real ES examples, good and bad. Sections 12-16 are the six-year test, the A-grade trading plan, market conditions, other tools and risk - read them before trading real money.

SECTION 01

What this indicator does

TS Reversal Ribbon watches the slope of ten moving averages and a 200 moving average. When a trend starts to turn, the fast lines turn first, then the slower ones. The indicator counts how many lines have already turned against the trend - that is the **REVERSAL %** - and marks the moment it becomes a majority.

On its own, a turning ribbon is only a warning. So the indicator adds a full entry method on top: a filter that keeps only reversals on the right side of the 200 MA, a pullback-and-cross entry on two fast EMAs, and a stop and target drawn for every entry.

1 · The ribbon

10 simple moving averages (10, 20 ... 100). Each line and band is **teal** while it rises and **rose** while it falls.

2 · The trend line

A thick 200 simple moving average. Its slope is the trend. **BULL** / **BEAR** labels mark when it turns.

3 · REVERSAL %

The share of the ribbon sloping against the trend. Shown in the panel, e.g. `67% · 6/9 lines`.

4 · REV signals

REV BULL / **REV BEAR** when that share passes the sensitivity. Wrong side of the 200 MA? It shows as a white **rev** and is ignored.

5 · BUY / SELL

After an accepted REV: a pullback on the white (fast) and orange (slow) EMAs, then the cross back. That close is the entry.

6 · Trade map

Every entry gets a dotted entry line, a red dashed **stop** and a green dashed **target** at 2 x the risk.

Who it is for

Traders who want to catch the turn of a trend without guessing the top or bottom - on index futures (ES, NQ, YM, RTY), Gold and Crude, and their micros. It works on any time-based chart; Sections 12 and 13 show which timeframes and markets worked best in our tests.

Built on a well-known open-source idea

The ribbon, the REVERSAL % and the REV signals follow the open-source TradingView script "Trend Reversal Probability Calculator". With `Match TradingView signals` on (the default), the REV signals land on the same bars as that script. The 200 MA filter, the EMA entry, the trade map, the panel and the alerts are TraderSuite additions.

SECTION 02

Installing it - step by step

You need NinjaTrader 8 (8.1 or later), an internet connection for the licence check, and the file `TS_Reversal_Ribbon_v1.0.3.zip` from your TraderSuite account (Downloads).

1. **Download the zip and leave it zipped.** NinjaTrader imports the whole archive. Do not extract it.
2. **Import it.** Control Center > Tools > Import > NinjaScript Add-On..., choose the zip and confirm. If an older copy exists, allow NinjaTrader to replace it.
3. **Restart NinjaTrader.** A restart after import makes sure the new version is the one that loads.
4. **Open a time-based chart with enough history.** For example ES 12-26, 5 Minute, 10 days. The lines appear once 220 bars are loaded (200 for the trend line + 20 for its slope).
5. **Add the indicator.** Right-click the chart > Indicators... (Ctrl+I) > **TraderSuite** folder > double-click `TS_Reversal_Ribbon`.
6. **Enter your key.** In `0A. License` paste your TS Reversal Ribbon key or your Pro Membership key. Click OK. The panel's LICENCE row confirms it.
7. **Save it as a template.** Once the settings suit you: right-click the chart > Templates > Save as default.

Use normal candlesticks

Signals, stops and targets come from the chart's own prices. On Heikin Ashi those prices are averaged, not real - see Section 17.

One indicator, one file

Everything in this guide comes from `TS_Reversal_Ribbon`. Each part can be switched off in its settings.

SECTION 03

The idea in five minutes

Why a ribbon shows a turn early

A moving average is the average price of the last N bars. A 10-bar average reacts quickly; a 100-bar average reacts slowly. When a rising market starts to fall, the 10-bar line turns down first, then the 20, then the 30, and so on. Watching all ten together shows you **how far the turn has spread**: one line turning is noise, six or more turning is a real change.

The slope of each line

Each line's slope is measured as its **rate of change** (ROC): how much the line has moved, in %, over the last 20 bars (the ROC length). Above zero the line is rising, below zero it is falling. The same is done for the 200 MA: its slope is the **trend**.

REVERSAL % - the share that has turned

In an uptrend the indicator counts the ribbon lines that are already falling. In a downtrend it counts the lines that are already rising. That count, as a share of the lines counted, is the REVERSAL %. It is a measurement, **not a forecast**: 60% means six of the lines have turned, not that there is a 60% chance of a reversal.

The signal and the filter

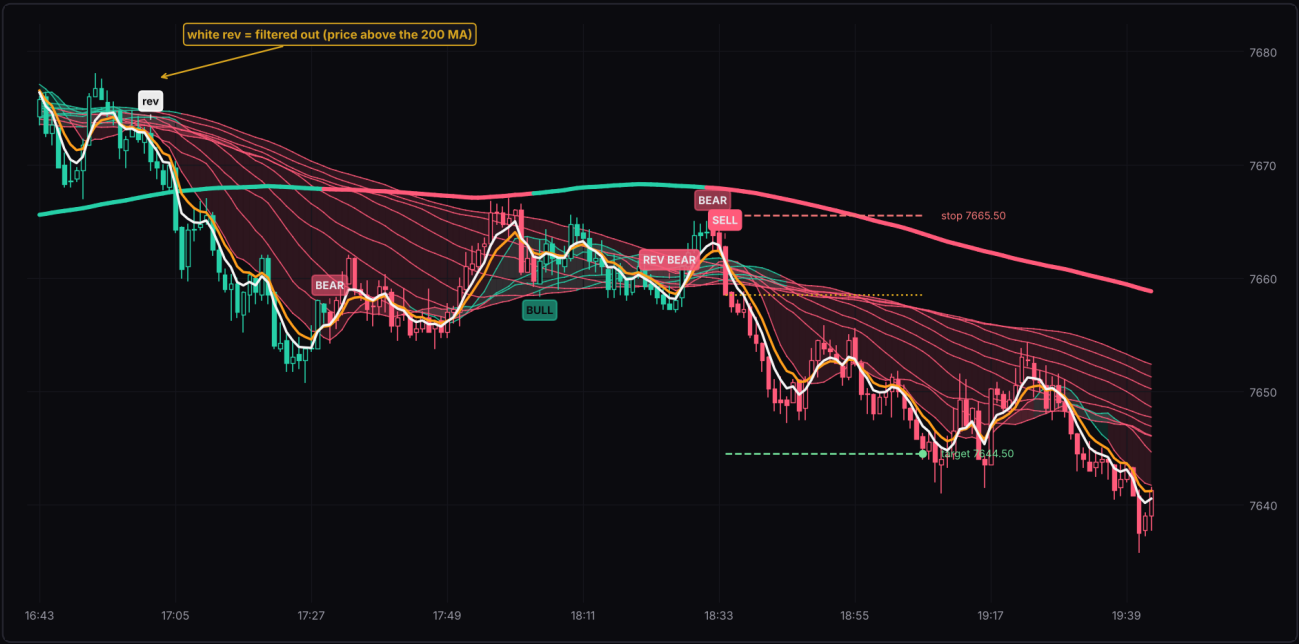
When the count rises above the **sensitivity** (default 5, so 6 or more lines), a REV signal prints. Notice what that means: a **REV BEAR** prints while the 200 MA is **still rising** - the ribbon has turned before the big trend line. That is the point of it. But a REV is only **accepted** when price has already crossed the 200 MA: a REV BEAR with price below it, a REV BULL with price above it. A REV on the wrong side shows as a white **rev** and is ignored.

The entry - wait for the pullback

A REV is not an entry. After a reversal, price usually snaps back once before the new move. The **white line** (5 EMA) and **orange line** (8 EMA) show it: after a REV BEAR, wait for white to go **above** orange (the pullback), then enter when white closes back **below** orange. A BUY is the mirror. You enter on the turn back into the new direction, not into the snap-back.

SECTION 04

Everything on the chart



ES 1-minute, 16 Jul 2026, UK time - default settings. A filtered rev, BEAR / BULL trend flips, an accepted REV BEAR, the SELL entry and its trade map reaching the target.

Lines and shading

- **Ribbon lines and bands - teal**: that line is rising (its ROC is above zero). The band to the next line is shaded the same colour.
- **Ribbon lines and bands - rose**: that line is falling. A ribbon full of rose bands is a market falling on every timescale.
- **Thick line - the trend MA (200)**: teal while it rises, rose while it falls. Its colour is the trend.
- **White line - fast EMA (5)**: the quick line used for the entry.
- **Orange line - slow EMA (8)**: the entry is the white line crossing this one.

Candles: with `Colour bars by trend` on (default), every candle takes the trend colour, so you see at a glance which side of the trend you are on. Switch it off to keep your own candle colours.

Labels

LABEL	WHERE	WHAT IT MEANS
BUY	under the bar	Confirmed long entry on the close of this bar. Bright, full colour.
SELL	over the bar	Confirmed short entry on the close of this bar.
REV BULL	under the bar	Most of the ribbon has turned up in a downtrend and price is above the 200 MA. A long set-up is now armed.
REV BEAR	over the bar	Most of the ribbon has turned down in an uptrend and price is below the 200 MA. A short set-up is now armed.
rev	under / over	A reversal on the wrong side of the 200 MA. Shown white so you can see it, but it never arms an entry.

LABEL	WHERE	WHAT IT MEANS
BULL / BEAR	under / over	The 200 MA itself has turned up / down - the trend flip. Shown faded: it is information, not an entry.

When two labels would overlap - on one bar or on neighbouring bars - the later one is moved a little further from the bar and a thin line points back to its bar.

Trade map

- **Dotted gold line** - the entry price (the close of the BUY / SELL bar).
- **Dashed red line** - the stop, labelled with its price on the newest entry.
- **Dashed green line** - the target (2 x the risk by default).

  Dot at the end - green: the target was reached; red: the stop was hit. No dot: the map ended on an opposite REV, a new entry or its bar limit.

SECTION 05

The exact rules

Everything is judged on **closed bars**. A label appears when its bar closes and is never moved or removed afterwards: the indicator does not repaint.

STEP	RULE (DEFAULT SETTINGS)
Ribbon	10 simple moving averages of the close: 10, 20, 30 ... 100 bars (first length + step x 0..9).
Trend MA	Simple moving average of the close, 200 bars.
Slope	ROC = 100 x (line now - line 20 bars ago) / line 20 bars ago. Nothing is drawn until every slope exists (220 bars).
Trend	Up while the 200 MA slope is above zero, down while below. An exactly flat slope keeps the last trend.
Count	Uptrend: ribbon lines with a falling slope. Downtrend: lines with a rising slope. 9 lines are counted with Match TradingView on (line 6 is left out, exactly as the original script); 10 with it off.
REVERSAL %	count / lines counted x 100, rounded.
BULL / BEAR	The 200 MA slope crosses zero: up (BULL) or down (BEAR).
REV BULL	The rising-line count goes from 5 or fewer to 6 or more (more than the sensitivity), and not on a BEAR flip bar.
REV BEAR	The falling-line count goes from 5 or fewer to 6 or more, and not on a BULL flip bar.
Accepted	REV BULL with the close above the 200 MA; REV BEAR with the close below it. Others are the white **rev**.
Set-up	An accepted REV arms that side and cancels any set-up on the other side.
Pullback	Short: the white EMA closes above the orange one (it may already be above on the REV bar). Long: white below orange.
Entry	After the pullback, the first close with white back below orange = **SELL**; back above = **BUY**. One entry per set-up.
Cancelled	Short: a close at or above the 200 MA, or 60 bars pass with no entry. Long: the mirror.
Stop	Nearer of: the 200 MA + 2 ticks, or the highest high of the last 10 bars (entry bar included) + 2 ticks (short; long is the mirror). Rounded to a whole tick away from the entry; at least 1 tick.
Target	Entry - 2 x (stop - entry) for a short; entry + 2 x (entry - stop) for a long. Rounded to the tick.
Trade map ends	From the next bar: stop touched (checked first if both are touched in one bar), target touched, an opposite REV (any side of the 200 MA), a new entry, or 60 bars.

Why the stop is 'the nearer of the two'

The method this is based on puts the stop beyond the 200 MA. When price is already far from the 200 MA that stop is very wide, so it uses the last swing instead. `Stop placement` lets you force either one.

SECTION 06

Reading a SELL set-up



ES 1-minute, 5 Aug 2026, UK time, default settings. The four steps of a SELL, drawn from the indicator's own output.

1. **REV BEAR, price already below the 200 MA.** The ribbon has turned rose: 6 of 9 lines are falling while the 200 MA is still teal (rising). Price is under it, so the REV is accepted and the panel shows `short armed · wait for pullback`.
2. **The trend MA turns (BEAR).** A few bars later the 200 MA itself turns down. Not needed for the entry, but it confirms the move.
3. **The pullback.** Price bounces; the white line crosses above the orange one. The panel now says `short · pullback on · watch SELL`.
4. **SELL.** The white line closes back below the orange one. Entry 7858.50 on that close. Stop 7868.75 - the last swing high + 2 ticks, closer than the 200 MA. Risk 10.25 points.
5. **Target.** 2 x the risk = 20.50 points: 7838.00. Price reaches it about 27 minutes later and the map closes with a green dot.

What made this a good one

The REV came after a clear uptrend ran out of steam, the 200 MA turned down before the entry, and the pullback stalled under the ribbon. The A-grade checklist in Section 13 is built from what made the difference in six years of data.

SECTION 07

Reading a BUY set-up



ES 1-minute, 19 Oct 2026, UK time, default settings. A BUY after a REV BULL above a falling-then-flattening 200 MA.

1. **REV BULL, price above the 200 MA.** After a drop, a sharp rally turns 6 of 9 ribbon lines up while the 200 MA is still falling. Price closes above it, so the long set-up is armed.
2. **The pullback.** Price dips back and the white line crosses below the orange one.
3. **BUY.** The white line closes back above the orange one: entry 7747.25. The 200 MA (7740.6) is closer than the swing low, so the stop goes just under it: 7740.00. Risk 7.25 points.
4. **Target.** 7761.75 (2 x 7.25 = 14.50 points above the entry), reached about 36 minutes later.

Look at the left of the picture too: an earlier REV BULL at about 14:12 armed a set-up, but price closed back under the 200 MA before any pullback-and-cross, so it was cancelled and no BUY printed. That is the filter doing its job.

SECTION 08

Filtered signals, cancelled set-ups and losing trades

Filtered reversals - the white rev

A REV on the wrong side of the 200 MA is drawn as a small white **rev** (see the top left of the Section 4 picture). The ribbon has turned, but price has not yet crossed the trend line, so the indicator does not arm a set-up. Many of these are just pullbacks inside a healthy trend. Switch them off with `Show filtered-out reversals` if you prefer a cleaner chart.

Cancelled set-ups

An armed set-up is cancelled, with no label, when:

- price closes back over the 200 MA
- 60 bars pass with no entry
- an accepted REV on the other side arrives

The panel's SETUP row goes back to none. Nothing on the chart is removed - the REV label stays where it fired.

Losing trades



ES 1-minute, 15 Jul 2026, UK time. A SELL taken while the 200 MA was still rising: price came back and hit the stop.

Not every set-up works, and the indicator shows the losers as plainly as the winners: the map ends with a red dot on the stop. In this one the REV BEAR came while the 200 MA was still rising steadily and the ribbon was flat rather than pointing down - it fails the A-grade checklist in Section 13 (the 200 MA had not turned).

> **Every trade has a stop**
>
> Reversal trades go against the trend that was in force, so they fail more often than trend trades. That is why each entry comes with a stop, and why Section 16 sizes every trade so one loss is small.

SECTION 09

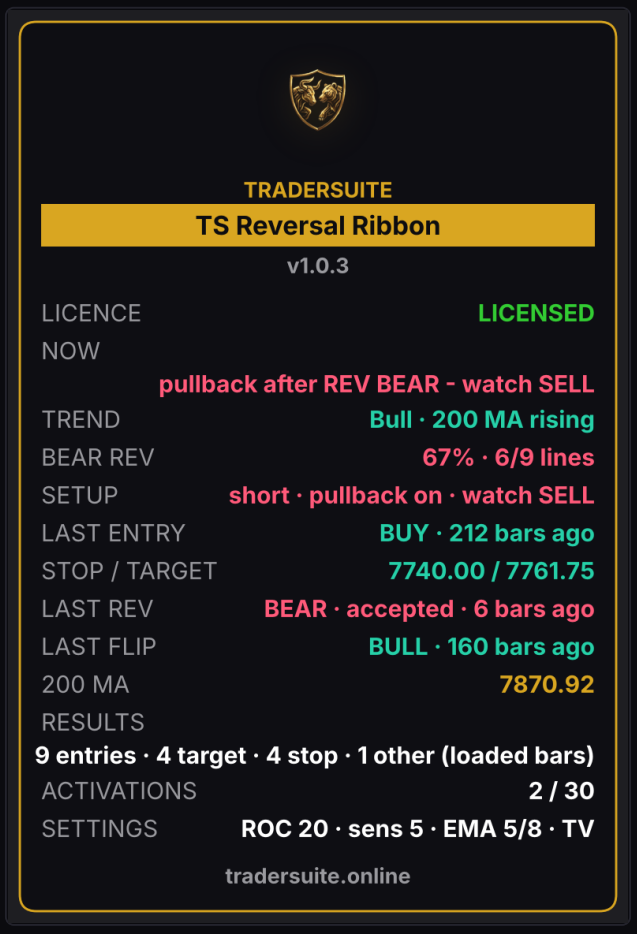
The statistics panel

The panel sits in a corner of the chart (top left by default). Choose `Panel size`: **Compact** (default) or **Normal** - wider, with a larger logo and extra rows.



Compact panel.

ROW	WHAT IT TELLS YOU
LICENCE	LICENSED, MEMBER, OFFLINE (using the grace period) or the reason it is not valid.
NOW	One plain-English line: what is happening right now - e.g. `REV BEAR - wait for the pullback`, `pullback after REV BEAR - watch SELL`, `in SELL · stop 7868.75`, `uptrend weakening`, `downtrend - no reversal yet`. Guidance, never an order.
TREND	Bull or Bear, from the 200 MA slope.
BEAR REV / BULL REV	The REVERSAL %: in an uptrend, how much of the ribbon is turning down (BEAR REV); in a downtrend, turning up (BULL REV). White when low, orange from 30%, in the reversal colour once it is past the sensitivity.
SETUP	none, `short armed · wait for pullback`, `short · pullback on · watch SELL` and the long versions.
LAST ENTRY	BUY or SELL and how many bars ago; `open` while its trade map is still running.
STOP / TARGET	The last entry's stop and target prices.



Normal panel.

EXTRA ROW (NORMAL)	WHAT IT TELLS YOU
LAST REV	The last REV signal, whether it was accepted or on the wrong side, and how long ago.
LAST FLIP	The last BULL / BEAR trend flip.
200 MA	The trend MA price now (the label follows your Trend MA length).
RESULTS	On the bars loaded on this chart: entries, how many reached the target, how many hit the stop, and how many ended another way. A quick read, not a backtest - it changes when you load more or fewer days.
ACTIVATIONS	Machines used / allowed on your key.
SETTINGS	ROC length, sensitivity, EMA lengths, TV (Match TradingView on) and alerts on.

Other panel settings: placement in any of the four corners, the margin from the chart edge, and the logo on or off. The panel never grows past the chart; on a small chart it drops the logo and the last rows first.

SECTION 10

Settings reference

Every setting as it appears in NinjaTrader's indicator window, in order.

0A. License

SETTING	DEFAULT	WHAT IT DOES
License Key	(blank)	Your TS Reversal Ribbon key (product code TSRR) or Pro Membership key. Stored hidden; never shown on the chart.

1. Reversal engine

SETTING	DEFAULT	WHAT IT DOES
ROC length (trend sensitivity)	20	Bars over which every line's slope is measured (1-200). Smaller = faster, more signals. The original script's default is 14.
Reversal sensitivity (1 to 9)	5	A REV needs MORE than this many lines turned: 5 means 6 or more. Lower = earlier, more signals; higher = later, fewer.
Ribbon first length	10	Length of the fastest ribbon line (2-500).
Ribbon step	10	Gap between line lengths (1-100). Default lines: 10, 20 ... 100.
Trend MA length	200	The trend line and the filter (2-1000).
Match TradingView signals	On	On: count 9 lines like the original script, so REV signals match TradingView. Off: count all 10 lines.

2. Entries

SETTING	DEFAULT	WHAT IT DOES
Fast EMA	5	The white line (1-100).
Slow EMA	8	The orange line (1-200).
Show BUY / SELL entries	On	Entry labels, trade maps and the SETUP / LAST ENTRY rows. The outputs for strategies work either way.
Setup expiry (bars)	60	An armed set-up with no entry after this many bars is cancelled (1-1000).
Stop placement	Nearer	Nearer: the closer of the two below. BeyondAnchorMA: always beyond the trend MA. BeyondSwing: always beyond the recent swing.
Swing look-back (bars)	10	Bars searched for the swing high / low, entry bar included (1-200).
Stop buffer (ticks)	2	Extra ticks beyond the MA or the swing (0-100).
Target (R multiple)	2.0	Target distance as a multiple of the risk (0.25-20). We recommend **3.0** - see Section 12.

3. Signals

SETTING	DEFAULT	WHAT IT DOES

SETTING	DEFAULT	WHAT IT DOES
Show BULL / BEAR (trend flips)	On	The 200 MA turning labels.
Show REV BULL / REV BEAR	On	The accepted reversal labels.
Show filtered-out reversals	On	The white **rev** labels on the wrong side of the trend MA.

4. Trade map

SETTING	DEFAULT	WHAT IT DOES
Show stop and target lines	On	Entry, stop and target lines for each entry.
Line length (bars, max)	60	A map that reaches neither stop nor target ends after this many bars (1-1000). Also used for the RESULTS row.

5. Look

SETTING	DEFAULT	WHAT IT DOES
Up colour	#26D0A8 teal	Rising lines and bands, bull candles, BUY labels.
Down colour	#FF5A7A rose	Falling lines and bands, bear candles, SELL labels.
Show ribbon lines	On	The 10 lines. Off leaves only the shading.
Shade the ribbon	On	The coloured bands between the lines.
Ribbon shade strength (%)	14	Band opacity (2-80).
Show trend MA	On	The thick 200 MA.
Show fast / slow EMAs	On	The white and orange lines. Change their colours and widths under Plots.
Colour bars by trend	On	Candles in the trend colour. Off keeps your chart's own candle colours.

6. Panel

SETTING	DEFAULT	WHAT IT DOES
Show panel	On	Master switch.
Panel size	Compact	Compact or Normal (wider, larger logo, extra rows).
Panel placement	TopLeft	TopLeft, TopRight, BottomLeft or BottomRight.
Panel margin (px)	14	Distance from the chart edge (0-500).
Show logo	On	The TraderSuite shield at the top of the panel.

7. Alerts

SETTING	DEFAULT	WHAT IT DOES
Enable alerts	Off	Master switch for the alerts below.
Alert on BUY / SELL entries	On	Message with entry, stop and target.
Alert on accepted REV signals	On	Message with the REVERSAL % - your cue to watch for the pullback.

SETTING	DEFAULT	WHAT IT DOES
Alert on BULL / BEAR flips	Off	The trend MA turned.
Alert sound	Alert2.wav	PCM .wav file; pick it with the file button.

Plots

Under Plots you can restyle each line: Ribbon 1-10, Anchor MA (the trend MA - its colour follows the trend), Fast EMA and Slow EMA. All 13 values are also shown in the Data Box.

SECTION 11

Alerts

Alerts only fire in real time, on the close of a bar - never on historical bars. Turn them on in `7. Alerts`.

ALERT	WHEN	MESSAGE INCLUDES
BUY / SELL	An entry bar closes	Entry price, stop and target
REV BULL / REV BEAR	An accepted reversal bar closes	The REVERSAL % and a reminder to wait for the pullback
BULL / BEAR (off by default)	The trend MA turns	Direction and the trend MA length

If a sound does not play, check that it is a PCM .wav file. A bare file name such as `Alert2.wav` is looked up in NinjaTrader's own sounds folder.

> **Use the REV alert to step away**
>
> A REV is the start of a set-up, not the entry. With the REV alert on you can leave the screen and come back when something is building, then wait for the BUY / SELL alert.

SECTION 12

What six years of data says

Before writing the trading plan we ran the indicator's own engine - the same code that draws the labels - over almost six years of 1-minute futures data and measured every entry. This section shows what we found, good and bad.

How it was tested

	DETAILS
Markets	ES (S&P 500), YM (Dow), RTY (Russell 2000), GC (Gold), CL (Crude oil), 6E (Euro / US dollar). NQ was not in the data set.
Period	January 2021 to November 2026, all trading hours
Timeframes	1, 3, 5, 15, 30 and 60-minute bars built from the 1-minute data
Signals	Default settings: ROC 20, sensitivity 5, ribbon 10-100, 200 MA, EMA 5 / 8, stop Nearer + 2 ticks. About 44,000 entries.
Fills	Entry at the **next** bar's open plus 1 tick against you; stop exits 1 tick worse than the stop; $4.50 commission per round turn. Trades near a contract roll were left out.
Fair test	Every rule below was chosen on **2021-2024** only, then checked on **2025-2026**, data the rules had never seen.
Result unit	R = profit or loss divided by the risk (entry to stop). +0.20R per trade = on average 20% of your risk gained per trade.

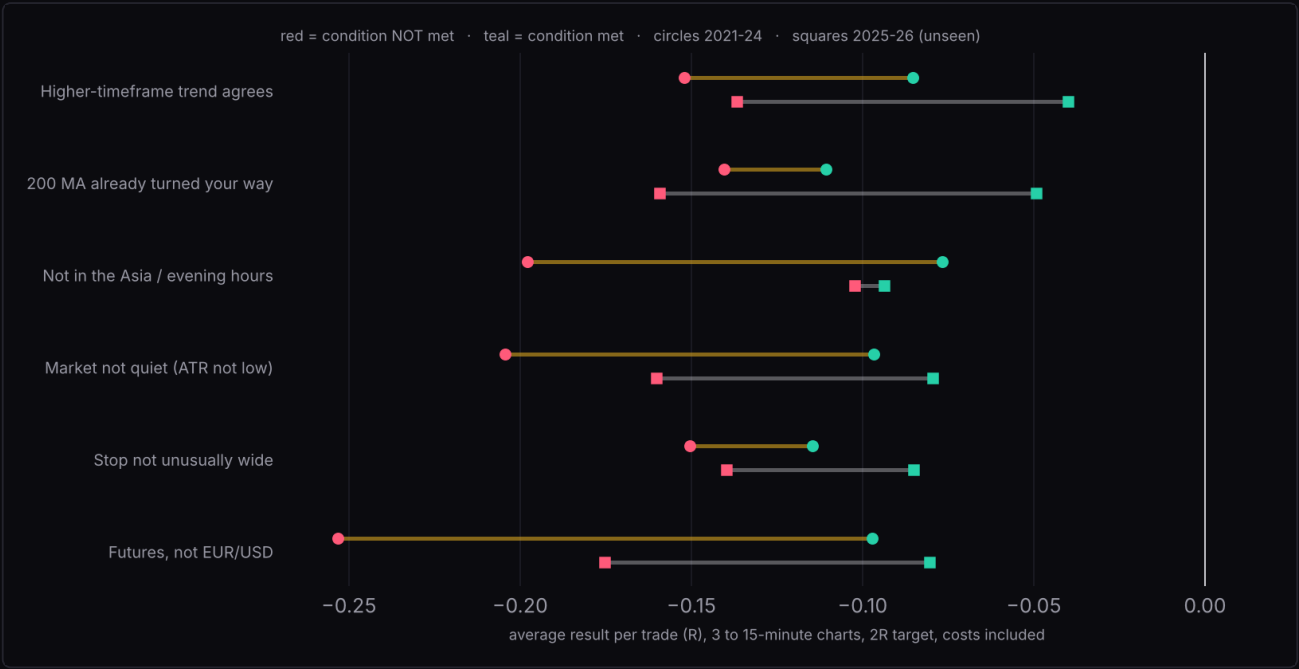
Finding 1 - taking every signal loses money

Taken blindly, the BUY / SELL signals lost money after costs on every timeframe and in every market. On a 1-minute chart the stops are so small that slippage and commission eat a large slice of every trade (-0.23R per trade on average). On 5 and 15-minute charts the loss was smaller (about -0.1R) but still a loss. **The signal alone is not a system.**



Grey: every signal. Gold and teal: the A-grade rules of Section 13, with a 3R target. 1 and 3-minute charts stayed negative even with the rules; 5 and 15-minute turned positive in both periods.

Finding 2 - five conditions make a clear difference



Each row compares trades that met a condition (teal) with trades that did not (red), in the period the rules were chosen (circles) and in the unseen period (squares).

CONDITION	EFFECT WE MEASURED
Higher-timeframe trend agrees	The strongest single filter in both periods. Same idea as the 200 MA, read on a chart 4 x slower (Section 14).
200 MA already turned your way	Trades taken after the BULL / BEAR flip in the trade's direction did clearly better, above all on the unseen data.
Market not quiet	Entries when bars were smaller than usual (14-bar ATR below about 70% of its normal level) were the worst group in both periods.
Not the Asia / evening hours	A large difference in 2021-24 (16:00-03:00 New York time was the worst session); smaller in 2025-26. Kept as a rule.
Futures, not EUR/USD	EUR/USD was the weakest market in both periods. Stick to index, metal and energy futures.
Stop not unusually wide	A smaller help: when the stop was more than about 2.7 x ATR away, results were worse.

Finding 3 - the A-grade rules turn it slightly positive

With all of the conditions above (the A-grade plan, Section 13: the first five rows above) on 5 and 15-minute charts, a **3R target**, and the five futures markets:

PERIOD	TRADES	WIN RATE	AVERAGE PER TRADE
2021-2024 (rules chosen here)	615	33%	+0.06R
2025-2026 (unseen)	257	35%	+0.20R
All years together	872	34%	+0.10R - total +87R

Every one of the five markets was positive over the whole period with these rules (YM and Gold best, Crude weakest).

Read this before you trade it

That is a **small** edge, not a money machine. In the same test: 2023 and 2024 were losing years; the worst run of losses was **17 trades in a row**; the deepest drop from a high was **54R**. Two out of three trades lose - the winners pay for them because they are 3 x bigger. The statistical range on the unseen period still includes zero. Past results do not guarantee future results. Size small (Section 16) and expect long losing runs.

Things we tested that did not help

IDEA	WHAT HAPPENED
1-minute charts	Negative with or without the rules: the costs are too big next to the small stops.
Small targets (1R, 1.5R)	Higher win rate (about 50% at 1R) but no profit. The bigger the target, the better: 3R beat 2R in both periods.
Exit on the opposite REV	Worse than a fixed 3R target on most timeframes, and negative on the unseen period.
Move the stop to break-even at 1R	Turned many winners into scratches; lower than simply holding for 3R.
Price on the right side of VWAP	Made no difference - after a REV and a pullback, price is already on that side about 82% of the time.
Only very strong REVs (78% or more)	Mixed: better in one period, worse in the other. Not used.

Other observations, not used as rules: the first 90 minutes after the US open (09:30-11:00 New York) were the best time window in both periods, and SELL set-ups did better than BUY set-ups - possibly just the markets of these years.

SECTION 13

How to trade it - the A-grade plan

This is the plan the data supports. Follow it on a simulation account first, until it feels routine.

Set-up

Chart

5-minute (or 15-minute). Not 1 or 3-minute. Normal candlesticks.

Markets

ES, YM, RTY, Gold, Crude - or their micros (MES, MYM, M2K, MGC, MCL). Not EUR/USD.

Settings

Defaults, except `Target (R multiple)` = **3.0**. Turn on the REV and BUY / SELL alerts.

Second chart

The same market on a timeframe 4 x slower (20-minute for a 5-minute chart, 60-minute for a 15-minute chart) with TS Reversal Ribbon on it. Its TREND row is your higher-timeframe trend.

The A-grade checklist - all must be true

#	CHECK	WHERE TO LOOK
1	A BUY or SELL printed on a closed bar	The label on your 5-minute chart.
2	The 200 MA has already turned in the trade's direction	Panel TREND row: Bull for a BUY, Bear for a SELL (the BULL / BEAR flip came first).
3	The higher-timeframe trend agrees	TREND row on the 4 x slower chart: Bull for a BUY, Bear for a SELL.
4	Not between 16:00 and 03:00 New York time	That is 21:00-08:00 UK time for most of the year (it shifts by an hour for a few weeks in spring and autumn).
5	The market is not quiet	Recent bars are not smaller than usual. Add NinjaTrader's ATR(14) or judge by eye: tiny bars and a flat, thin ribbon = skip.

Bonus, not required: the stop is not unusually wide - the red line no more than about 2.5-3 average bar ranges away. It helped a little in the test but is not part of the A-grade numbers.

If even one check fails, there is no trade. The data says most signals fail at least one - on a 5-minute chart expect a few A-grade trades per market per week, not per day.

Taking and managing the trade

1. **Wait for the bar to close.** The label prints on the close. Never act on a forming bar.
2. **Enter at the next bar's open** with a market order (that is what was tested).
3. **Stop at the red line, target at the green line (3R).** Send both with the entry using a NinjaTrader ATM strategy so nothing is forgotten.
4. **Then leave it alone.** No break-even moves, no early exits on the opposite REV - in the test, both did worse than letting the 3R target or the stop decide.
5. **One trade at a time per market.** If a new BUY / SELL prints while you are in a trade, ignore it.

What to avoid

- 1 and 3-minute charts
- EUR/USD and other FX
- 16:00-03:00 New York time
- quiet, narrow markets
- trades against the higher-timeframe trend
- entering on the REV itself
- white rev labels
- moving the stop
- trading into big news
- Heikin Ashi prices

Keep a journal

Write down each trade: the six checks, entry, stop, target and the result in R. After 50 trades compare your own numbers with Section 12. If you are well below them, check that you are following every rule before changing anything.

SECTION 14

Reading the market condition

The same signal can be a good trade on one day and a bad one on another. Read the market before you read the signal.

1 · Is there a trend to reverse - and which way is the bigger trend?

Look at the 4 x slower chart first. Its 200 MA colour and the TREND row tell you which way the bigger tide is running. The best trades in the test were reversals **back in the direction of the bigger trend** - for example, a 5-minute pullback inside a rising 20-minute trend that turns up again. A REV against the bigger trend is a counter-trend trade: skip it.

2 · Is the market awake?

Active - trade

Bars of normal or larger size, a ribbon that fans out clearly when it turns, the 200 MA clearly sloped.

Quiet - skip

Small bars, the ribbon squeezed into a thin twisted band, the 200 MA almost flat. Signals here were the worst group.

Wild - careful

Very large bars around news. The stop gets wide (check 6 of the checklist) and fills slip. Size down or wait.

Ranging - skip

Price crossing the 200 MA back and forth, BULL and BEAR flips every hour. The 200 MA filter keeps cancelling set-ups - let it.

3 · What time is it?

NEW YORK TIME	UK TIME (MOST OF THE YEAR)	WHAT WE SAW
03:00 - 09:30	08:00 - 14:30	London session: fine for index futures, Gold and Crude.
09:30 - 11:00	14:30 - 16:00	US open: the best window in both periods.
11:00 - 16:00	16:00 - 21:00	US day session: good.
16:00 - 03:00	21:00 - 08:00	Close, evening and Asia: the worst session - skip.

4 · How to read the ribbon itself

WHAT YOU SEE	WHAT IT MEANS
All bands one colour, fanned wide	A strong trend. A REV against it needs time - wait for the pullback, don't rush.
Fast lines changing colour, slow lines not	The turn has started but is young. This is when REVERSAL % climbs.
REVERSAL % rising from 30% to 50%	Panel turns orange: 'weakening'. Get ready; no action yet.
Ribbon flat and twisted, colours mixed	No trend, no reversal. Nothing to do.
White and orange lines tangled	The pullback has not finished. Wait for a clean cross on a closed bar.

SECTION 15

Using it with your other tools

TS Reversal Ribbon decides **when**. Other tools help decide **whether**. Here is what to pair it with, and what our test says about each.

TOOL	HOW TO USE IT WITH THE RIBBON	TESTED?
A second TS Reversal Ribbon on a 4 x slower chart	The higher-timeframe trend check (A-grade rule 3).	Yes - the strongest filter.
ATR (built into NinjaTrader)	Skip signals when ATR(14) is well below its normal level.	Yes - quiet markets were the worst group.
Session times / a session-box indicator	Skip 16:00-03:00 New York time; favour the first 90 minutes after the US open.	Yes.
Volatility day type (e.g. TS IV Compass)	QUIET day: expect few good set-ups and skip most. WILD day: size down - stops get wide.	Indirectly - we tested ATR, not the day type itself.
Prior day high / low and overnight range (e.g. TS Previous Ranges)	A REV that starts at yesterday's high (SELL) or low (BUY) has a clear reason and a clear invalidation.	Too few trades started exactly at a level to measure. Use as a bonus, not a rule.
VWAP	Fine for context, but it added nothing to the signals in our test.	Yes - no effect.
Economic calendar	No new entries in the 15 minutes before and after CPI, FOMC, NFP and similar news.	Not tested - common sense.

Keep it simple

Every extra filter removes trades. The A-grade checklist already leaves only a few trades a week per market. Add a tool only if it answers a question the checklist does not.

SECTION 16

Risk and position size

Two out of three trades lose in this method, and runs of 10-17 losses in a row happened in the test. What decides your result is that each loss is small and fixed. That is the job of position size.

The 1% rule - or 0.5% while you learn

Risk no more than **1% of your account** on one trade (0.5% while you are learning the plan). With 1%, a run of 17 losses costs about 16% of the account - painful, but survivable. With 5% per trade it would cost more than half.

```
contracts = (account x 1%) / (stop distance in points x point value)

Point values:   ES $50   MES $5   NQ $20   MNQ $2   YM $5   MYM $0.50
                RTY $50  M2K $5   GC $100  MGC $10  CL $1,000  MCL $100
```

Worked example - the SELL in Section 6

	VALUE
Account	$50,000 -> 1% = $500 risk
Stop distance	7868.75 - 7858.50 = 10.25 points
ES (1 contract)	10.25 x $50 = $512.50 -> more than $500, so no ES contract
MES	10.25 x $5 = $51.25 per contract -> $500 / $51.25 = 9.75 -> **9 MES** (risk $461.25)
Target (3R)	30.75 points x $5 x 9 = $1,383.75 if reached

Always round down

If the result is 9.75 contracts, trade 9. If it is below 1, the stop is too wide for your account on that market: use the micro contract or skip the trade.

Risk warning

Trading futures involves substantial risk of loss and is not suitable for everyone. TS Reversal Ribbon is an educational decision-support tool. It does not predict price, places no orders and is not financial advice. The test results in Section 12 are hypothetical: they were calculated on past data with assumed fills and costs, and real trading results will differ. Past results do not guarantee future results.

SECTION 17

Heikin Ashi, Renko and other bar types

NinjaTrader gives an indicator the prices of the bars on its chart. On a **Heikin Ashi** chart those are not real prices: each Heikin Ashi close is the average of the bar's open, high, low and close, and each open is the average of the previous Heikin Ashi bar. So on a Heikin Ashi chart:

- the lines are smoother
- signals arrive at different bars
- entry, stop and target are averaged prices
- they will not match TradingView

The entry price on the trade map can then be several points away from where the market really was. For trading, use normal candlesticks (or OHLC bars). If you like the Heikin Ashi look, keep it on a second chart for reading the trend, and take the signals from a candlestick chart.

Other bar types

BAR TYPE	WORKS?	NOTES
Minute / Second	Yes	Recommended. Start on 5-minute.
Tick / Volume	Yes	Use a size that gives a few hundred bars a day or more, so the 200 MA has meaning.
Range	Yes	Prices are real. Bars form on price movement, not time.
Renko	With care	Renko bar opens and closes are built by the bar type, not traded prices - check the entry on a time chart.
Heikin Ashi	Not for entries	Averaged prices - see above.
Day / Week	Yes	Swing trading. The 200 MA needs 220 bars of history: load a year or more of daily data.

With `Colour bars by trend` on, the indicator recolours your candles. On Heikin Ashi that hides the Heikin Ashi colours - switch it off if you want to keep them.

SECTION 18

Matching the TradingView script

To compare with the open-source TradingView script "Trend Reversal Probability Calculator", use the same inputs on both:

TRADINGVIEW INPUT	SET TO	TS REVERSAL RIBBON SETTING
Moving average lengths	10, 20 ... 100 and 200	Ribbon first length 10, step 10, Trend MA length 200 (defaults)
ROC length (Trend sensitivity)	20	ROC length 20 (default). TradingView's own default is 14 - change one of them.
Reversal sensitivity	5	Reversal sensitivity 5 (default)
-	-	Match TradingView signals: On (default)

With these, the BULL / BEAR flips and the REV signals land on the same bars, as long as both platforms have the same bars: same instrument and contract, same bar size, same session hours (NinjaTrader's Trading Hours template vs TradingView's session setting) and normal candles. Small differences in the data feed can still move a signal by a bar now and then.

> **Why 'Match TradingView' exists**
>
> The published script leaves the 6th ribbon line out of its counts, so it really counts 9 lines, not 10. We keep that by default so you see the signals you know. Switch it off to count all 10: REV signals then come slightly earlier and the REVERSAL % can reach 100%.

The white rev filter, the BUY / SELL entries, the stop and target and the panel are not in the TradingView script.

SECTION 19

For NinjaScript developers

The indicator exposes its results for NinjaScript strategies and the Market Analyzer. Everything is set on closed bars.

```
TS_Reversal_Ribbon(int rocLength, int sensitivity, int ribbonStart, int ribbonStep,
                   int anchorLength, bool matchTradingView, int fastEma, int slowEma)

var rr = TS_Reversal_Ribbon(20, 5, 10, 10, 200, true, 5, 8);
if (rr.Entry[0] == 1)  { /* BUY on the bar that just closed */ }
double stop = rr.EntryStop[0], target = rr.EntryTarget[0];  // on the entry bar only
if (rr.Entry[0] == -1) { /* SELL on the bar that just closed */ }
if (rr.Trend[0] == 0)  { /* not ready yet - fewer than 220 bars */ }
```

OUTPUT	VALUE
Entry	+1 BUY, -1 SELL on the entry bar, 0 otherwise.
EntryStop / EntryTarget	Stop and target of the entry on this bar (NaN on other bars - store them when Entry is not 0).
Setup	+1 long armed, +2 long pullback seen, -1 / -2 short, 0 none.
Reversal	+1 REV BULL, -1 REV BEAR on this bar (either side of the trend MA).
ReversalAccepted	1 when this bar's REV is on the right side of the trend MA.
Flip	+1 BULL, -1 BEAR trend flip on this bar.
Trend	+1 trend MA rising, -1 falling, 0 not ready.
ReversalPct	The REVERSAL %, 0-100.
AnchorMA / FastLine / SlowLine	The trend MA and the two EMAs. Plots 1-10 are the ribbon lines (Values[0..9]).

Stop placement, swing look-back, buffer, target R and setup expiry are not strategy parameters: a strategy gets the defaults (Nearer, 10, 2, 2.0, 60). Hosted with Calculate = On each tick, the indicator still works on closed bars and sets its signals on the first tick of the next bar.

> **Licence keys and strategies**
>
> The licence key is not a strategy parameter, so an indicator hosted by a strategy runs without a key. Building a strategy on TS Reversal Ribbon? Contact us first so it can be licensed properly.

SECTION 20

Licensing and activation

QUESTION	ANSWER
Which key works?	A TS Reversal Ribbon key (product code TSRR) or a TraderSuite Pro Membership key.
How many PCs?	A product key allows 2 machine activations. You can free a machine from your account dashboard.
Internet needed?	For the licence check. The result is cached for 24 hours, and there is a 7-day grace period if the server cannot be reached.
Changing PC	Deactivate the old machine in your dashboard, then enter the key on the new one.
Membership ends	Membership-included indicators keep working for a 7-day grace period, then lock until it is renewed.

If the licence is not valid, a notice is drawn on the chart instead of the indicator, naming the reason (for example a key for another product, or no activations left). The key itself is never shown on the chart or in the chart label.

SECTION 21

Troubleshooting and FAQ

PROBLEM	FIX
Not in the Indicators list	Close the Indicators window, press F5 on the chart (Reload NinjaScript) and open it again. It is in the TraderSuite folder. Still missing? Check the Control Center Log tab for a red line naming TS_Reversal_Ribbon and send it to us.
Nothing drawn, panel says 'warming up'	The indicator needs 220 bars (trend MA 200 + ROC 20). Load more days of data. With a longer Trend MA it needs more.
Nothing drawn at all, no panel	Look at the Control Center Log tab for an error naming TS_Reversal_Ribbon, and send it to us with your NinjaTrader version.
Signals differ from TradingView	Check Section 18: ROC length 20 on both, Match TradingView on, same bars and session hours, normal candles.
Entry prices look wrong	You are probably on Heikin Ashi or Renko - see Section 17.
Too many signals	That is normal - most signals are not A-grade. Use the checklist in Section 13 and a 5 or 15-minute chart.
Too few signals	Lower the sensitivity to 3 or 4, or lower the ROC length.
Candles changed colour	Colour bars by trend is on. Switch it off in 5. Look.
Chart feels slow	Switch off Shade the ribbon or reduce the bars loaded. The shading is drawn only for the bars on screen.
No sound on alerts	Use a PCM .wav file and make sure Enable alerts is on. Alerts are real-time only.

Questions traders ask

Does it repaint?
No. Every label is decided when its bar closes and never changes or moves later.

Is the REVERSAL % a probability?
No. It is the share of the ribbon lines already turned against the trend - a measurement of how far a turn has spread, not a forecast of what happens next.

Why did a REV BEAR print while the trend line was still rising?
That is how it works: the ribbon turns before the slow 200 MA. The REV is accepted because price is already below the 200 MA.

Why is there no BUY after a REV BULL?
The set-up waits for a pullback and a cross back. If price closes under the 200 MA, or 60 bars pass first, it is cancelled. See Section 8.

Can I use it for swing trading?
It runs on 60-minute, 4-hour and daily charts (load 220+ bars), but our test had too few trades on those to say how well it works there. The tested sweet spot is 5 to 15 minutes.

Does it place trades?
No. It draws set-ups, signals and a trade map. You decide and you place the orders.

Is it included in Pro Membership?
Yes. Your membership key unlocks it.

SECTION 22

Changelog and support

VERSION	CHANGES
1.0.3	Stop and target rounded to whole ticks. Panel size choice (Compact / Normal) with a larger logo. Filtered rev labels now white with dark text. Clearer NOW wording.
1.0.2	Labels on neighbouring bars no longer overlap.
1.0.1	Fix: the ribbon shading could stop the indicator drawing on some charts.
1.0.0	First release. 10-line ribbon and trend MA with slope colouring; REVERSAL %; BULL / BEAR flips; REV signals with the trend-MA filter and Match TradingView option; EMA pullback-and-cross entries; trade map with stop and target; panel; alerts; strategy outputs. TraderSuite Product Development Standard v5.1, Licence System v3.1.

Support

Get help

Email completetradersuite@gmail.com with the product code TSRR, your NinjaTrader version and a screenshot of the chart including the panel.

Licence problems

Include the LICENCE row from the panel. Most issues are an activation used on a PC you no longer trade from - free it in your account dashboard.

TraderSuite Team · tradersuite.online

TraderSuite is a trading name of Unique Evolution Ltd. This guide describes TS Reversal Ribbon v1.0.3. Chart figures are drawn from real ES futures data (UK time) using the indicator's tested rules and default colours; examples are for education and are not a record of trading results. Trading futures involves substantial risk of loss. NinjaTrader is a registered trademark of NinjaTrader Group, LLC. TradingView is a trademark of TradingView, Inc.; the original script is published there under the Mozilla Public License 2.0.