TRADERSUITE · PROFESSIONAL INDICATOR SERIES

Divergence Screener Pro

The complete user guide — regular and hidden divergence on eight oscillators, trend-filtered, validity-checked and tracked to the end, with screener outputs that scan a whole watchlist in Market Analyzer.

v1.0.0 tradersuite.online

GETTING ORIENTED

Contents

How to read this guide

Sections 1–8 explain what you see on the chart and why. Section 9 is a full reference for every setting. Keep it open beside a chart on your instrument — each visual mirrors exactly what the indicator draws.

SECTION 01

What this indicator does

Divergence Screener Pro watches for disagreement between price and momentum — a new price extreme that the oscillator behind it refuses to confirm — across any of eight selectable oscillators, and flags all four divergence types the moment their pivots confirm. Around that core it layers the discipline most divergence tools lack: a trend filter that rejects out-of-context candidates, a straight-line validity check that removes coincidental matches, broken-signal tracking, and two numeric outputs built to scan an entire watchlist in the Market Analyzer.

Four detections, filtered

Regular and hidden, bullish and bearish. Each type is only flagged when the trend filter agrees — regular against the prevailing trend, hidden with it.

Pivots where momentum lives

The zigzag runs on the oscillator itself, not on price — and only confirmed pivots count, so nothing ever repaints or relocates.

Quality over quantity

A clean-line check walks every bar between the two pivots and discards any candidate whose path pierces the line — removing most false positives.

A screener, not just a chart tool

The Signal and LastActive outputs become Market Analyzer columns, so you can sort dozens of instruments by divergence state at once.

Who it's for

Traders who use momentum divergence both ways — regular divergence as an early warning of exhaustion, hidden divergence as evidence a pullback is just a pullback — and anyone who would rather monitor a whole watchlist for those conditions than stare at one chart. It works on any instrument and timeframe NinjaTrader 8 can chart.

Futures (ES, NQ, GC, CL…) · Forex · Crypto · Stocks & ETFs · Any timeframe · 8 oscillators · Market Analyzer scanning

A note on honesty

Divergence is a warning, not a trigger. Momentum can diverge for a long time while price keeps going — famously so in strong trends. Everything this tool does to filter candidates exists because raw divergence detection produces far too many signals to trade blindly. Always combine it with your own analysis and risk management.

SECTION 02

Installing it — step by step

Installation is the same for every TraderSuite indicator and takes about two minutes. You need NinjaTrader 8 (64-bit, 8.1 or later) and the `.zip` file from your purchase email or account download page.

1. **Download the zip — and leave it zipped.** NinjaTrader imports the whole archive; do not extract it first.
2. **Import into NinjaTrader.** In the Control Center choose Tools → Import → NinjaScript Add-On…, browse to the zip and confirm. If an older copy exists, remove it first so NinjaTrader compiles a single clean version.
3. **Restart NinjaTrader.** A restart after import guarantees the new assembly is loaded.
4. **Add it to a chart.** Right-click the chart → Indicators… → open the TraderSuite folder → double-click `TS_DivergenceScreener_Pro`.
5. **Enter your licence key.** In the indicator's settings find the 0A. License group and paste the key from your purchase email. Leave it empty to start an automatic 7-day trial.
6. **Click OK and check the panel.** The panel's License line should read ✓ LICENSED, MEMBER or TRIAL. Section 10 explains every state.

Requirements

NinjaTrader 8 (64-bit), any recent build · works on all instruments and timeframes — futures, stocks, ETFs, crypto · an internet connection for the licence/trial validation (24-hour offline grace).

Moving machines?

Deactivate the old machine from your account dashboard first, then activate on the new one. Activations used/allowed are shown live on the panel.

Tip — load enough history

The default trend filter can fall back to a 200-period moving average, so load several hundred bars before judging the first signals. And once your settings feel right, right-click the chart → *Templates* → *Save as default* so every new chart opens ready.

SECTION 03

Anatomy of the chart

One indicator, two panels. The screener lives in its own sub-panel below price, but draws its divergence lines in both places — across the price pivots and across the oscillator pivots — so you see both halves of the disagreement at once.

1 **Price divergence line** — joins the two price pivots (here a higher high).

2 **D / H chip** — **D** = regular divergence, **H** = hidden, coloured by type.

3 **Oscillator sub-panel** — the selected oscillator (default RSI 14), glow-rendered.

4 **Matching oscillator line** — the same divergence across the oscillator pivots (a lower high).

5 **Zigzag pivots** — swings are found on the oscillator and confirmed, never repainted.

6 **Info panel** — oscillator in use, trend method, last signal, live/broken state and counts.

SECTION 04

The four divergence types

Two families, each with a bullish and a bearish form. **Regular divergence** warns of exhaustion — the current move is running out of fuel and may reverse. **Hidden divergence** signals continuation — a pullback within a trend where momentum quietly reset while price held its structure. The screener detects all four.

The four detections. Each requires the trend filter to agree — regular divergences are only flagged against the prevailing trend, hidden ones only with it.

Type	Price	Oscillator	Trend required	Default colour	Chip
Bearish Divergence	Higher high	Lower high	Uptrend	Red	D
Bearish Hidden	Lower high	Higher high	Downtrend	Orange	H
Bullish Divergence	Lower low	Higher low	Downtrend	Green	D
Bullish Hidden	Higher low	Lower low	Uptrend	Lime	H

Same evidence, opposite meaning

Regular divergence fights the trend; hidden divergence sides with it. The trend filter exists so each is only flagged in the context where it actually means something.

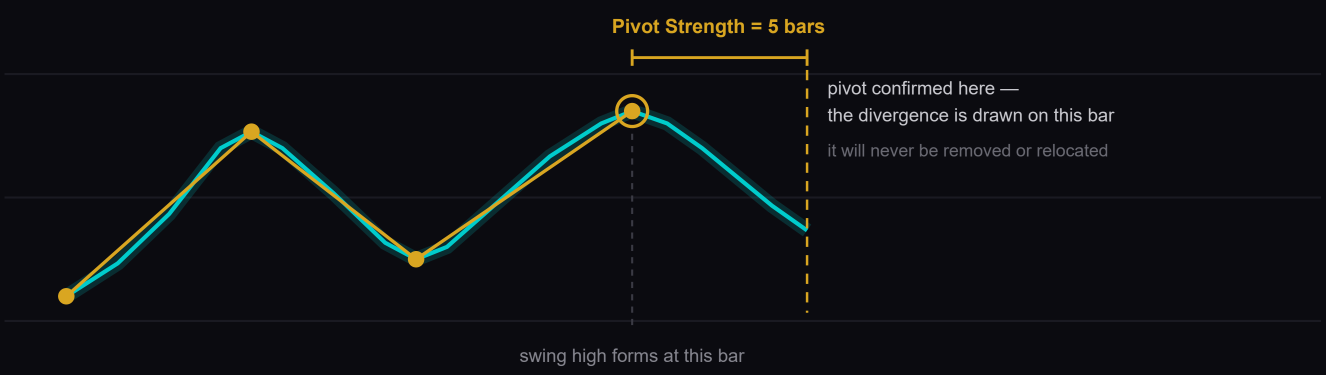
SECTION 05

How detection works

One design decision separates this from most divergence tools: the pivots are found on the **oscillator**, not on price.

A zigzag runs over the oscillator itself. Every time it confirms a new pivot, the indicator looks back to the previous pivot of the same kind — high to high, low to low — and compares both series: what price did between those two points, and what the oscillator did. If they disagree in one of the four patterns, and the trend filter agrees, a divergence is recorded.

> **Why pivot on the oscillator?**
> Because that is where the momentum structure actually lives. Pivoting on price and then sampling the oscillator at those bars produces sloppier, less repeatable comparisons.



Pivots are found on the oscillator itself. A swing only counts once Pivot Strength bars have printed after it — the price of never repainting.

Pivot Strength — the sensitivity dial

Value	Effect	Trade-off
`2–3`	Many pivots, many divergences.	Faster signals, considerably more noise.
`5 (default)`	Balanced.	Sensible starting point on most timeframes.
`8–10`	Only major swings.	Higher quality, far fewer, and later.

The trend filter

Trend Method	How trend is judged
`zigzag (default)`	Compares the current pivot against the same-side pivot four pivots back. Purely structural — no moving average involved.
`ma`	A rising moving average between the two pivots means uptrend. Length set by **MA Length**, default 200.

When zigzag mode does not yet have enough pivot history, it falls back to the moving-average test automatically, so the filter always returns an answer.

SECTION 06

Clean lines & broken signals

Two quality mechanisms: a validity check before a divergence is drawn, and honest tracking after.

The clean-line check

Two pivots can technically diverge while the path between them wanders all over the place — a coincidence of endpoints, not a real structural pattern. With `Clean-Line Check` on (the default), the indicator draws the straight line between the two pivots on **both** price and oscillator, then walks every bar in between. If either series pierces its line, the candidate is discarded.

ACCEPTED — line unpierced | **REJECTED — line pierced**

the path never crosses the line | candidate discarded

Both price and oscillator must respect the straight line joining their pivots. A single bar through it invalidates the divergence.

Turning this off produces considerably more signals of considerably lower quality. Leave it on unless you are deliberately researching raw detection.

Broken divergences

Each divergence carries the price level of its ending pivot. Once the close moves decisively through that level — below it for the bullish family, above it for the bearish — the divergence is marked **broken**. The panel's last-signal text gains a trailing `X`, and the divergence stops feeding the `LastActive` screener output.

LIVE	BROKEN · X	–
Newest divergence still stands	Price closed through its pivot level	Nothing detected yet

The panel's Active row. An X after the last signal means the most recent call has failed.

> **A rejected warning is information**
>
> Momentum warned of a reversal; price rejected the warning and carried on. That is a meaningful statement about trend strength — often more useful than the original signal.

SECTION 07

The eight oscillators

Set `Oscillator` to any of eight, by name. Everything downstream — pivots, detection, lines, screener outputs — adapts automatically.

`rsi` `cci` `cmo` `cog` `mfi` `roc` `stoch` `wpr`

The eight accepted values, typed in lower case. rsi (gold) is the default; anything unrecognised silently runs RSI.

Value	Oscillator	Character
`rsi`	Relative Strength Index	The standard. Well understood, reliable divergence behaviour. Default.
`cci`	Commodity Channel Index	Unbounded; reacts strongly to sharp excursions.
`cmo`	Chande Momentum Oscillator	Purer momentum measure than RSI, less smoothing.
`cog`	Centre of Gravity	Weighted-average based; smooth, slower turns.
`mfi`	Money Flow Index	Volume-weighted — the only volume-aware option here.
`roc`	Rate of Change	Raw velocity. Fast, and noisier for it.
`stoch`	Stochastic	Position within range; frequent extremes.
`wpr`	Williams %R	Range-based, similar family to stochastic.

`Length` — default **14** — applies to whichever oscillator is selected.

Note the input format

The setting is typed as text, in lower case — **rsi**, **mfi**, **wpr**. A typo will not error; it will simply run RSI. If results look unexpectedly familiar, check the **Oscillator** row on the panel, which prints what is actually in use.

Which is best?

RSI is the sensible default. MFI is worth testing where volume data is trustworthy, since it is the only volume-weighted option. Beyond that it is preference — test in Playback.

SECTION 08

Scanning with Market Analyzer

The reason it is called a screener: two numeric outputs designed to be read as columns across an entire watchlist.

Output	Behaviour
`Signal`	Fires on the detection bar only. Zero otherwise. Use it to catch new events.
`LastActive`	Persists while the newest divergence remains unbroken. Use it to see current state.

Both use the same encoding — the sign gives direction, the magnitude distinguishes reversal from continuation:

Value	Meaning
+2	Bullish Divergence — reversal warning, in a downtrend
+1	Bullish Hidden — continuation, in an uptrend
0	Nothing
-1	Bearish Hidden — continuation, in a downtrend
-2	Bearish Divergence — reversal warning, in an uptrend

Market Analyzer — TS_DivergenceScreener_Pro

Instrument	Last	Signal	LastActive
NQ 12-26	23891.50	+2	+2
ES 12-26	6482.25	0	+2
GC 12-26	3412.7	0	+1
CL 12-26	71.34	0	0
6E 12-26	1.0921	0	0
ZB 12-26	118'04	0	-1
YM 12-26	44120	0	-2

A hypothetical watchlist sorted by LastActive, descending — bullish reversals rise to the top, bearish reversals sink to the bottom. NQ's Signal column shows a detection firing on this bar.

A practical workflow

Run `LastActive` across your watchlist to see everything currently diverging, then open only those charts. That is dozens of instruments monitored without watching a single one.

SECTION 09

Settings reference

Every option, grouped exactly as it appears in the NinjaTrader indicator dialog.

0. About & 0A. License

Option	Default	What it does
`Website`	`tradersuite.online`	Displayed on the panel. Informational.
`Show Logo`	`On`	Show the TraderSuite crest at the top of the panel.
`Show Panel`	`On`	Master toggle for the on-chart info panel.
`License Key`	`(empty)`	Your key. Leave empty for a 7-day trial.

1. Oscillator

Option	Default	What it does
`Oscillator`	`rsi`	Which oscillator to analyse. One of eight names, lower case (see Section 07). Unrecognised text falls back to RSI.
`Length`	`14`	Lookback for the selected oscillator.

2. Detection

Option	Default	What it does
`Pivot Strength`	`5`	Bars either side needed to confirm a swing. The main sensitivity control — and the source of the confirmation delay.
`Trend Method`	`zigzag`	**zigzag** or **ma**. Decides which candidates qualify.
`MA Length`	`200`	Moving-average length used by the **ma** method, and as zigzag's automatic fallback.
`Clean-Line Check`	`On`	Discard candidates whose path pierces the pivot-to-pivot line on either price or oscillator.

3. Display

Option	Default	What it does
`Max Divergences Shown`	`20`	How many historical divergences stay drawn.
`Show Price Lines`	`On`	Draw divergence lines on the price panel.
`Show Oscillator Lines`	`On`	Draw the matching lines in the oscillator panel.
`Show D/H Labels`	`On`	Print the D and H chips at each detection.
`Glow Effect`	`On`	Glow rendering on the oscillator lines. Turn off on slower machines.

Colors & Alerts

4. Colors

Option	Default	Used for
`Bullish Divergence`	`Green`	Regular bullish lines and D chips.
`Bullish Hidden`	`Lime`	Hidden bullish lines and H chips.
`Bearish Divergence`	`Red`	Regular bearish lines and D chips.
`Bearish Hidden`	`Orange`	Hidden bearish lines and H chips.
`Oscillator Color`	`DodgerBlue`	The oscillator curve in the sub-panel.

5. Alerts

Option	Default	What it does
`Enable Alerts`	`Off`	Master switch. The four toggles below do nothing until this is on.
`Bullish Divergence Alert`	`On`	Alert on bullish reversal divergences.
`Bullish Hidden Alert`	`On`	Alert on bullish continuation divergences.
`Bearish Divergence Alert`	`On`	Alert on bearish reversal divergences.
`Bearish Hidden Alert`	`On`	Alert on bearish continuation divergences.

> **Alerts are real-time only**
>
> Alerts fire only on live bars — never while the indicator is calculating historical data, and never during Playback. If you hear nothing, check the master switch first: it ships **Off** by design.

Brand colour reference (as used in this guide's figures)

#D9A621
Gold — branding / pivots / callouts

#00CCCC
Cyan — oscillator curve in figures

#33CC66
Green — bullish divergences

#FF5959
Red — bearish divergence

#FFA500
Orange — bearish hidden

#0E8B8B
Teal — accents. On-chart defaults are in group 4 above.

SECTION 10

Licensing & activation

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

Getting started

1. Add `TS_DivergenceScreener_Pro` to your chart (Indicators dialog → TraderSuite folder).
2. Open its settings and find the 0A. License group.
3. Paste your **License Key** — or leave it empty to start an automatic 7-day trial.
4. Click OK. The panel's License line confirms your status.

License states you may see

Panel shows	Meaning
✓ `LICENSED`	Valid product licence, activated on this machine.
✓ `MEMBER`	Active membership licence.
✓ `ADMIN`	Administrator master key (support / testing).
`TRIAL (Xd left)`	Free trial, days remaining shown.
`OFFLINE MODE`	Server unreachable; running on the offline grace period.
✗ `message`	Attention needed — invalid key, max activations, expired, or internet required.

Activations

A product licence activates on a limited number of machines (shown as **used / max** on the panel). Need to move machines? Deactivate the old one from your account, then activate the new one.

SECTION 11

Trading with it — a workflow

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

1. **Choose the lens.** Pick your oscillator (rsi by default; mfi if your feed carries trustworthy volume) and set `Pivot Strength` for your timeframe. Confirm both on the panel.
2. **Scan, don't stare.** Add `LastActive` as a Market Analyzer column and sort it descending. Open only the charts that are actually diverging.
3. **Read the chip.** A **D** against the trend is an exhaustion warning; an **H** with the trend is continuation evidence. Know which family you are looking at before anything else.
4. **Check it is still LIVE.** The panel's Active row must not read BROKEN, and the last signal must not end in **X**.
5. **Wait for price to agree.** Divergence is a warning, not a trigger. Let price confirm — a structure break, a failed retest — before acting on it.
6. **Set invalidation at the pivot.** The divergence's ending pivot is its natural line in the sand. If price closes through it, the tool marks the signal broken — respect that.

Confluence is king

The strongest divergences appear at levels that already matter — support and resistance, session extremes, higher-timeframe zones — with the trend filter and your own read agreeing.

Avoid

Fading a strong trend on a single regular divergence, switching the clean-line check off to get more signals, or acting on a signal already marked broken.

SECTION 12

What this indicator is not

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

- **It is not a signal service.** It flags disagreement between price and momentum. Entries, exits — and the responsibility for them — stay with you.
- **It does not predict the future.** Divergence is a warning that can be, and often is, rejected. The broken signals tracked on your own chart are proof of that.
- **It does not promise profits.** No indicator does. Past behaviour of a pattern or oscillator does not guarantee future results.
- **It is not an automated strategy.** It places no orders and manages no positions. It draws context on your chart; execution is entirely yours.
- **It is not financial advice.** Everything in this guide is educational. Consult a qualified professional before making investment decisions.

Risk disclosure

Trading futures, foreign exchange and other leveraged products involves substantial risk of loss and is not suitable for every investor. Only trade with capital you can afford to lose. Hypothetical or simulated examples in this guide have inherent limitations and do not represent actual trading.

What it is

A disciplined, non-repainting way to detect, filter and track all four divergence types across eight oscillators — on one chart, or across a whole watchlist at once.

SECTION 13

Troubleshooting & FAQ

- **The indicator doesn't appear in the Indicators list**

  Check the import finished without errors (Tools → Import → NinjaScript Add-On), then restart NinjaTrader. It lives in the **TraderSuite** folder of the Indicators dialog, not the top level.

- **Compilation error after import**

  Delete any older copy of the file first, then re-import so NinjaTrader compiles a single clean version.

- **Panel says ✗ Internet required**

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

- **Panel says ✗ Max activations reached**

  Your key is active on its maximum number of machines. Deactivate an old machine from your account dashboard, then activate this one.

- **Does it repaint? And why did a signal appear five bars late?**

  It never repaints — divergences are recorded only on confirmed pivots and never removed or relocated. The trade-off is the delay: with `Pivot Strength` at 5, a swing is only confirmed 5 bars after it forms. Lower the value for faster signals and more noise.

- **I'm not getting any alerts**

  Two reasons, usually. **Enable Alerts** is off by default — the four individual toggles do nothing until the master switch is on. And alerts fire in real time only, so nothing sounds while historical bars are processing or during Playback.

- **My oscillator choice seems ignored**

  The setting is free text. Anything unrecognised falls back to RSI without warning. Use lower case (`rsi`, `mfi`, `wpr`…) and check the **Oscillator** panel row for what is genuinely running.

- **Too many — or too few — divergences**

  Too many: raise `Pivot Strength`, keep the clean-line check on, and lower `Max Divergences Shown` to cut clutter. Too few: lower `Pivot Strength`, or switch `Clean-Line Check` off to see raw detections — expect a marked drop in quality.

- **What does the X after the last signal mean?**

  The most recent divergence has been broken — price closed through the level of its ending pivot. It also stops feeding the LastActive output.

- **I selected mfi and results look odd**

  MFI is the only volume-weighted oscillator here, so your data feed must supply real volume for the instrument. Some free feeds and Playback data ship without it — verify on your live/sim feed.

- **The chart feels sluggish**

  Turn off `Glow Effect` and reduce `Max Divergences Shown`.

> **Still stuck?**
>
> Email **completetradersuite@gmail.com** with your NinjaTrader version, the indicator version from the panel, and a screenshot. The TraderSuite Team will get you running.

SECTION 14

Changelog

What changed in each release. Update through your account download page — import the new zip over the old version (delete the old file if NinjaTrader reports a duplicate).

Version	Notes
`v1.0.0`	**Current build — initial release.** Regular and hidden divergence detection on eight oscillators, oscillator-side zigzag pivots, trend filtering (zigzag / MA), the clean-line validity check, broken-divergence tracking, Market Analyzer Signal & LastActive outputs, and configurable alerts for all four types.

Staying current

Licence holders get every update free. The panel shows your installed version; compare it with the version on the product page whenever you like.

Have a feature request?

The roadmap is shaped by the people who trade with it. Email **completetradersuite@gmail.com** with what you would like to see — the TraderSuite Team reads every message.

TraderSuite

Thank you for trading with Divergence Screener Pro. For the latest build, video walkthroughs and support, visit us online.

Web tradersuite.online

Email completetradersuite@gmail.com