



TRADERSUITE · PROFESSIONAL INDICATOR SERIES

# Algo Fingerprint Detector

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The complete user guide — recurring institutional algo windows found across 20+ sessions, graded A/B/C for confidence, and flagged 15 minutes before they open.

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## 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.

## What this indicator does

**Algo Fingerprint Detector finds the times of day when algorithmic programmes repeatedly move your market** — the same clock time, the same direction, the same volume character, session after session, across a scan of 20+ historical sessions. Around that core it layers everything you need to act on a window calmly: a three-stage alert that starts 15 minutes early, a live five-variable match score, an A/B/C confidence grade for every window, and a panel that always shows what is coming next.

### Schedules, not chart patterns

It scans 20+ sessions of history and keeps only the moves that repeat at the same time of day often enough to be a programme, not a coincidence.

### Warned before, not after

The APPROACHING alert fires 15 minutes before a graded window opens — so preparation happens before the move, not during it.

### Five variables must agree

Direction, magnitude, speed, volume surge and candle body ratio are checked live. 3 of 5 = forming; 4–5 of 5 = confirmed, with an arrow on the chart.

### Graded for conviction

Every window carries an A, B or C grade from its historical hit rate — and a grade filter lets you keep only the A-grade windows on screen.

### Who it's for

Intraday traders who want to know *when* their instrument tends to move, not just where. Built for futures — NQ, ES, MNQ, YM, RTY, CL and any other futures instrument NinjaTrader 8 can chart with volume data. A 5-minute chart is its recommended home, and it works on any timeframe with at least 30 days of history loaded.

NQ · ES · MNQ

YM · RTY · CL

All futures

5-minute chart recommended

Works on any timeframe

30+ days of history

### A note on honesty

A fingerprint is a record of what *has* repeated, not a promise it will repeat again. Algorithms get re-tuned, switched off and replaced. This tool organises the evidence and warns you in time to prepare — the decision, and the risk, stay with you.

## 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\_AlgoFingerprintPro**.
- 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 (8.1+, 64-bit) on Windows 10 / 11 · a data feed with volume for your instrument · at least 30 days of historical data loaded on the chart · an internet connection for the first licence validation.

### 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 — save it in a template

Once your colours and settings feel right, right-click the chart → **Templates** → **Save as default** so every new chart opens ready to trade.

# Anatomy of the chart

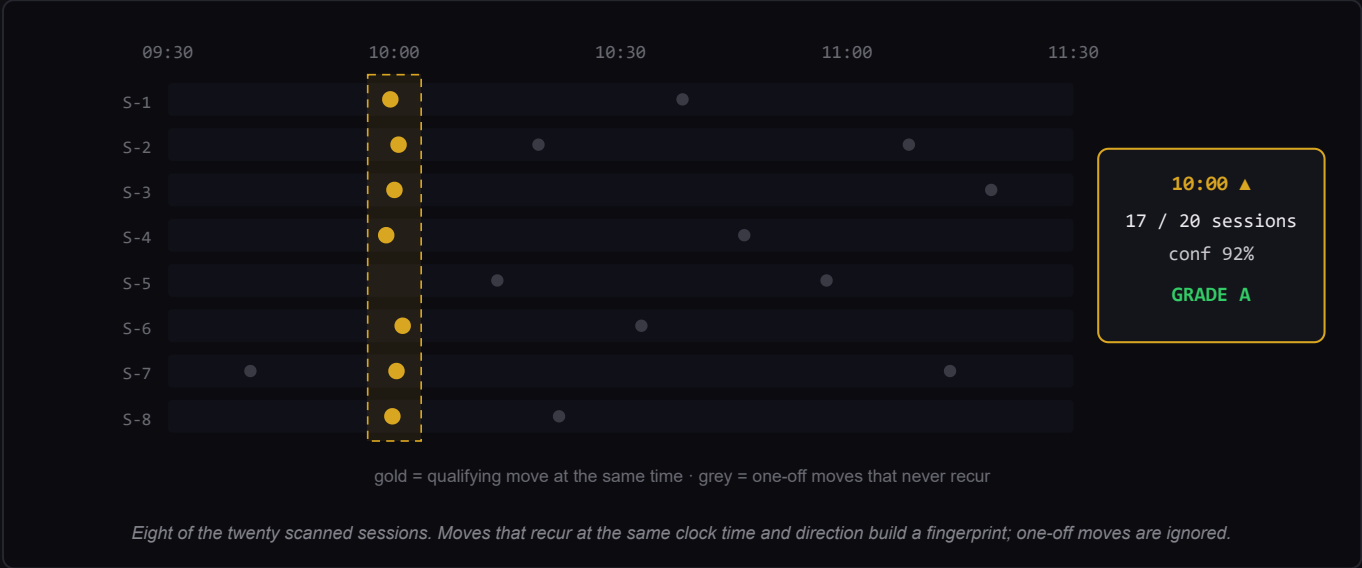
Everything the indicator draws, on one screen: a confirmed bullish 10:00 window on a 5-minute chart, moments after the pattern fired. Windows are shaded in their direction colour; the panel keeps the full schedule in the corner.



- 1 Fingerprint window** — the recurring time slot, shaded in the pattern's direction colour with its time and direction tag.
- 2 Approaching alert** — fired here, 15 minutes before the window opened.
- 3 Confirmation arrow** — printed when 4–5 of the 5 variables match.
- 4 Stage pill** — the live state: APPROACHING, FORMING or CONFIRMED, with the match score.
- 5 Upcoming-windows panel** — every window sorted by time, with grade, confidence and average move.
- 6 Licence status line** — your activation state, always visible.

# How fingerprints are found

The scanner works on a rolling window of past sessions — twenty by default. It groups price events by time of day, within a configurable window and tolerance, and looks for the same time-and-direction signature recurring session after session. Several independent variables must agree before anything confirms — which is what separates a genuine recurring programme from three coincidental moves.



## What a candidate must clear

| Filter     | What must be true                                                                                      |
|------------|--------------------------------------------------------------------------------------------------------|
| Magnitude  | The move's size clears the magnitude threshold — small drifts never count as occurrences.              |
| Volume     | Volume surges above the instrument's own recent baseline during the move.                              |
| Repetition | The same time-and-direction signature recurs at least the minimum number of times across the lookback. |
| Confidence | The pattern's confidence figure clears its floor — anything below it is discarded.                     |

### Coincidence vs programme

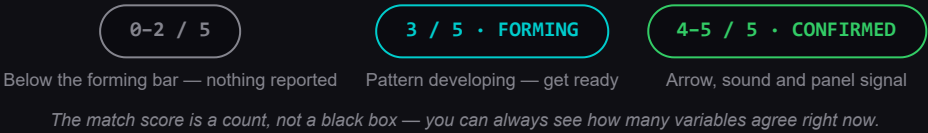
Three moves at 10:00 can be luck. Seventeen in twenty, in the same direction, with the same volume surge, is a schedule. The occurrence minimum and the confidence floor exist so that only patterns with real recurrence survive the scan.

# The five-variable match score

Once a window is open, the indicator does not fire on price alone. It checks five independent variables against the pattern's own history and reports a live match score — a simple, transparent count of how many currently agree.

| Variable          | What it checks                                                                                                                   |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Direction         | The developing move points the same way as the window's history — a bullish fingerprint needs an upward push, not just any push. |
| Magnitude         | The size of the move is in line with what this window has historically produced, not a token tick or two.                        |
| Speed             | The move develops at the pace the pattern usually shows — programmes execute briskly, drift does not count.                      |
| Volume surge      | Volume rises clearly above the instrument's own recent baseline while the move unfolds.                                          |
| Candle body ratio | Bodies dominate their ranges — conviction candles, not long indecisive wicks.                                                    |

## How the count maps to stages



### Independent evidence

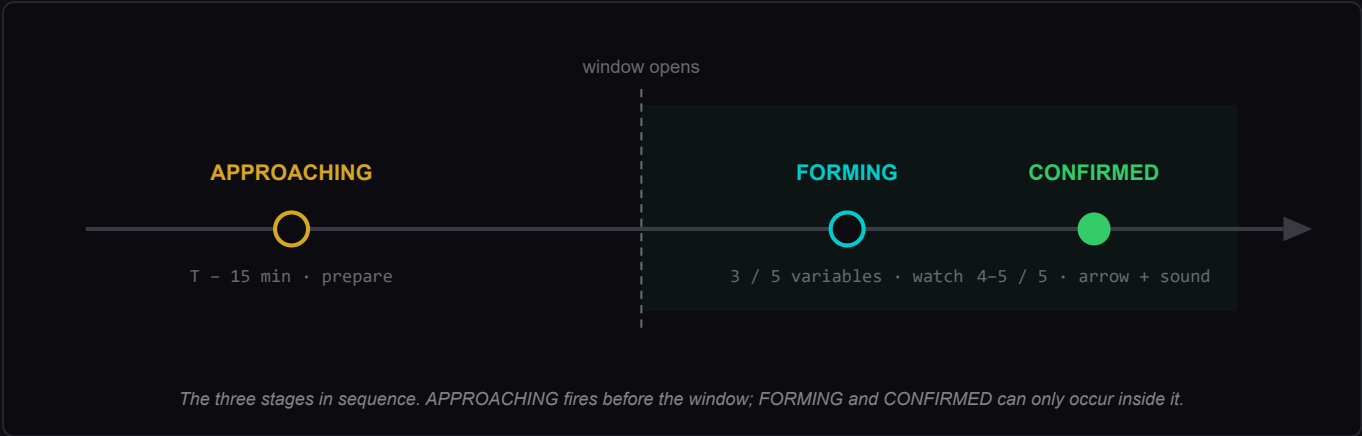
Each variable can fail on its own. Requiring four of five to agree keeps one noisy volume spike, or one big candle, from triggering a confirmation by itself. When the score is high, several separate measurements are saying the same thing.

### Where to watch it

The live score appears on the stage pill and in the panel's **MATCH** column for the active window. Outside a window there is nothing to score, so the column shows —.

# The three-stage alert system

Alerts arrive in a fixed sequence, so you are never surprised by your own tool. The first stage fires **before** the window opens; the other two can only happen inside it, as the live match score climbs.



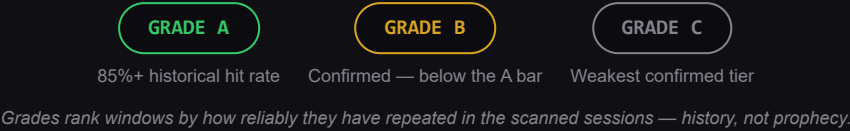
| Stage       | Fires when                                | What you do                                                                                        |
|-------------|-------------------------------------------|----------------------------------------------------------------------------------------------------|
| APPROACHING | 15 minutes before a graded window opens.  | Prepare: pull up the chart, mark your levels, set your risk. No entry.                             |
| FORMING     | 3 of 5 variables match inside the window. | Watch: the pattern is developing in real time. Get ready, demand confirmation.                     |
| CONFIRMED   | 4–5 of 5 variables match.                 | The fingerprint is live — arrow on chart, sound alert and panel signal. Act only by your own plan. |

### Stages can stall — that is the point

Not every approaching window forms, and not every forming window confirms. When a stage never arrives, the system is filtering out, in real time, a session where the programme did not run. Silence is information.

# Confidence grades A · B · C

Every confirmed fingerprint window carries a grade based on its historical hit rate — how often the scanned sessions actually produced the expected move at that time. The grade is your first filter: it tells you how seriously to take a window before it even opens.



| Grade | Historical record                                                        | How to treat it                                                          |
|-------|--------------------------------------------------------------------------|--------------------------------------------------------------------------|
| A     | 85%+ of scanned sessions produced the expected move at that exact time.  | Highest conviction — the tier the grade filter keeps when set to A-only. |
| B     | Recurring often enough to confirm, but below the Grade A bar.            | Tradeable context — look for extra confirmation from your own analysis.  |
| C     | The weakest tier that still clears the occurrence and confidence floors. | Observation first. Watch it prove itself before it earns your capital.   |

## The grade filter

A single setting decides what you see: every graded window, or only the A-grade ones. While you are learning the tool — or whenever the screen feels busy — run A-only and let the strongest history compete for your attention.

**A grade is a memory, not a promise**

Hit rates describe the scanned sample of past sessions — nothing more. Grades move as the rolling lookback moves: a pattern that stops recurring loses its standing, and a new one can earn its way up. Re-check what you trade, regularly.

## The live panel

The panel is the indicator's schedule board: every upcoming fingerprint window, sorted by time proximity, with everything you need to rank them at a glance. It updates in real time as windows approach, fire and pass.

tradersuite.online

TS\_AlgoFingerprintPro v1

UPCOMING WINDOWS

| TIME  | DIR | GR | CONF | MATCH | AVG   |
|-------|-----|----|------|-------|-------|
| 10:00 | ▲   | A  | 92%  | 5/5   | +38.5 |
| 11:30 | ▼   | B  | 74%  | —     | -21.0 |
| 14:00 | ▲   | C  | 61%  | —     | +12.3 |

STATUS

Stage: CONFIRMED 5/5

Next: 11:30 ▼ (1h 28m)

License: ✓ LICENSED

- Licence & activation state, always visible
- Every upcoming window, sorted by time proximity
- A / B / C grade and confidence % per window
- Direction of the expected move (▲ / ▼)
- Live variable match score for the active window
- Historical average move size per window
- Current stage and time to the next window

### Reading it at a glance

The panel answers three questions in order: **what is coming**, **how strong is its history**, and **what is it doing right now**. If the next window is hours away, relax. If an A-grade window is approaching, prepare. If the grade is C, that is permission to stand aside.

### Average move is context, not a target promise

The AVG column is the historical average move size for that window across the scanned sessions. Use it as a sanity check for expectations — any single session can do far less, or nothing at all.

## Settings reference

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

### 0. About & 0A. License

| Option      | Default                                                     | What it does                                                        |
|-------------|-------------------------------------------------------------|---------------------------------------------------------------------|
| Website     | <a href="https://tradersuite.online">tradersuite.online</a> | 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 live panel.                                   |
| License Key | (empty)                                                     | Your key. Leave empty for a 7-day trial. Masked as *** for privacy. |

### 1. Detection

| Option                 | Default | What it does                                                                                                                                             |
|------------------------|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Lookback Sessions      | 20      | How many past sessions are scanned and compared. Detection is only as good as the history you give it.                                                   |
| Time Window            | —       | The width of the clock-time slot that recurring moves are grouped into.                                                                                  |
| Time Tolerance         | —       | How far either side of the window's time a move may drift and still count as the same pattern.                                                           |
| Magnitude Threshold    | —       | Minimum move size before a candidate counts as an occurrence. Loosen it if nothing is detected on a quiet instrument.                                    |
| Volume Surge Threshold | —       | How far above its own recent baseline volume must rise during the move.                                                                                  |
| Minimum Occurrences    | —       | How many sessions must repeat the same time-and-direction signature before a fingerprint can confirm. Raise it before trusting a pattern with real size. |
| Confidence Floor       | —       | Fingerprints whose confidence falls below this are discarded. Raise it if too many marginal patterns appear.                                             |
| Grade Filter           | All     | Show every graded window, or only the Grade A windows.                                                                                                   |

Defaults marked — ship with the indicator. The working advice: leave the thresholds alone at first and tune only after watching a few days (see the tuning notes over the page).

# Alerts & display

## 2. Alerts

| Option            | Default   | What it does                                                  |
|-------------------|-----------|---------------------------------------------------------------|
| Enable Alerts     | On        | Master switch for all three alert stages.                     |
| Approaching Alert | On        | Fires 15 minutes before a graded window opens.                |
| Forming Alert     | On        | Fires when 3 of 5 variables match inside the window.          |
| Confirmed Alert   | On        | Fires at 4–5 of 5 — with the on-chart arrow and panel signal. |
| Alert Sound       | (default) | The sound file played when an alert fires.                    |

## 3. Display

| Option            | Default | What it does                                                  |
|-------------------|---------|---------------------------------------------------------------|
| Show Zone Shading | On      | Coloured shading over each fingerprint window on the chart.   |
| Show Arrows       | On      | Print the confirmation arrow when a window reaches CONFIRMED. |
| Bullish Colour    | Green   | Shading and arrows for upward windows.                        |
| Bearish Colour    | Red     | Shading and arrows for downward windows.                      |

### Tuning it

Leave the thresholds alone initially and simply watch which fingerprints confirm over a few days. **Too many marginal patterns?** Raise **Minimum Occurrences** or the **Confidence Floor**. **Nothing detected on a quiet instrument?** Loosen the **Magnitude Threshold**. **Screen too busy?** Set **Grade Filter** to A-only.

### The recommended chart

A 5-minute chart with at least 30 days of data loaded (Data Series → *Days to load*) covers the default 20-session lookback comfortably. The indicator works on any timeframe — just keep enough history loaded to feed the scan.

### Brand colour reference

 **#D9A621**  
Gold — approaching stage / active row / brand

 **#00CCCC**  
Cyan — forming stage / section headers

 **#33CC66**  
Green — bullish windows / confirmed / valid

 **#FF5959**  
Red — bearish windows / attention states

## 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\_AlgoFingerprintPro** to your chart (Indicators dialog → TraderSuite folder).
- 2 Open its settings and find the **OA. 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                                                                         |
|------------------------|---------------------------------------------------------------------------------|
| ✓ <b>LICENSED</b>      | Valid product licence, activated on this machine.                               |
| ✓ <b>MEMBER</b>        | Active membership licence.                                                      |
| ✓ <b>ADMIN</b>         | Administrator master key (support / testing).                                   |
| <b>TRIAL (Xd left)</b> | Free trial, days remaining shown.                                               |
| <b>OFFLINE MODE</b>    | Server unreachable; running on the offline grace period.                        |
| ✗ <b>message</b>       | 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.

## 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 **Start with the panel.** Before the session, read the upcoming windows — times, directions, grades. You now know when today needs your attention.
- 2 **Filter for quality.** While you are learning the tool, set the **Grade Filter** to A — trade only the windows with the strongest history.
- 3 **Prepare on APPROACHING.** Fifteen minutes out: pull up the instrument, mark your levels, decide your risk. No entry yet.
- 4 **Demand confirmation.** FORMING (3/5) means watch. CONFIRMED (4–5/5) with the arrow means the pattern is live — enter only by your own plan, if your analysis agrees.
- 5 **Manage with the history in mind.** The panel's average move size shows what this window has typically produced — a sanity check for targets, never a promise.
- 6 **Retire faded fingerprints.** Re-check regularly. Algorithms get re-tuned and switched off; a window that stops recurring should stop being traded.

### Confluence is king

The strongest context is a CONFIRMED, A-grade window firing in the direction of your own analysis — schedule, live evidence and your levels all agreeing.

### Avoid

Entering on the approaching alert alone, trading C-grade windows with full size, or holding on to a fingerprint the market has clearly abandoned.

## What this indicator is not

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

- **It is not a signal service.** It schedules your attention and reports evidence. It does not tell you when to buy or sell — the decision, and the responsibility, stay with you.
- **It does not predict the future.** A fingerprint is a record of past recurrence. Any window can fail to fire, and on some sessions the programme simply does not run.
- **It does not promise profits.** Hit rates, confidence figures and average move sizes describe the scanned sample of past sessions — not your future results.
- **It is not an automated strategy.** It places no orders and manages no positions. It draws windows, arrows and a schedule 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 way to know **when** your market tends to move — recurring algo windows found across 20+ sessions, graded honestly, and flagged early enough that preparation replaces reaction.

## Troubleshooting & FAQ

### ► No fingerprint windows appear

The scan needs its full lookback — 20 sessions by default, so load at least 30 days of data (Data Series → *Days to load*). On a quiet instrument, loosen **Magnitude Threshold**. New patterns also need a few sessions to prove themselves.

### ► 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.

### ► Patterns never confirm, or volume looks wrong

Volume surge is one of the five variables, so your data feed must supply real volume for the instrument. Playback and some free feeds ship without it — check the same chart on your live/sim feed (e.g. Kinetick, CQG, Rithmic).

### ► Panel says X 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 X 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.

### ► Which timeframe should I run it on?

A 5-minute chart is recommended; it works on any timeframe. Whatever you choose, keep enough days loaded to cover the full session lookback.

### ► The window opened but nothing fired — or the move fizzled

Both are normal. If no stage fired, the variables never matched — the programme did not run that session, and the tool filtered it in real time. If a confirmed move fizzled, remember confirmation is live evidence, not a guarantee of follow-through.

### ► Too many low-quality windows on screen

Raise **Minimum Occurrences** or the **Confidence Floor**, or set the **Grade Filter** to A-only.

### ► A pattern that used to fire has gone quiet

Algorithmic behaviour changes. As the rolling lookback moves on, a faded pattern loses its grade and eventually drops out. Stop trading it — that is the tool telling you the schedule changed.

#### Still stuck?

Email [completetradersuite@gmail.com](mailto:completetradersuite@gmail.com) with your NinjaTrader version, the indicator version from the panel, and a screenshot. The TraderSuite Team will get you running.

# 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      | <b>Current build — initial release.</b> 20-session fingerprint scanning, the five-variable match score, A/B/C confidence grading, the three-stage alert system (Approaching → Forming → Confirmed), zone shading with confirmation arrows, the live upcoming-windows panel, and the TraderSuite licence system with 7-day trial. |

**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.



## TraderSuite

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Thank you for trading with Algo Fingerprint Detector. For the latest build, video walkthroughs and support, visit us online.

**Web** [tradersuite.online](https://tradersuite.online)

**Email** [completetradersuite@gmail.com](mailto:completetradersuite@gmail.com)