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NINJATRADER 8 · INDICATOR

TS ATLAS USER GUIDE

One line, drawn from last night's balance and anchored to this morning's open. Four signals read off it, with a stop and two targets on every one. This guide covers installation, activation, every setting and how to read what appears on the chart.



WHAT IS IN THIS GUIDE

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BEFORE YOU START

TS Atlas needs overnight bars. Your chart must use a session template that includes the electronic session — a regular-trading-hours template has nothing to read and the indicator will say so on the chart.

SECTION ONE

THE INDICATOR AT A GLANCE

TS Atlas draws one sloped gold line across the trading day and reads price against it. Everything else on the chart — arrows, letters, dashed levels — comes from that single line.



A finished day. The gold line is locked once the opening range closes and never moves again. Arrows mark entries, dashed lines mark the stop and the two targets, and the dots show which target price reached first.

THE LINE

Built from the overnight session, anchored at the opening-range midpoint and extended forward at a fixed slope.

THE SIGNALS

Two entry patterns — Double Close and Bounce — plus two continuation marks that follow an entry.

THE LEVELS

A stop and two ATR-based targets on every entry, with the outcome tracked bar by bar.

WHAT IT IS NOT

TS Atlas is a chart study, not a strategy and not an automated system. It places no orders. Every entry, exit and position size remains your decision.

SECTION TWO

THE TRADING DAY, STEP BY STEP

Each session runs through the same five stages. Knowing where you are in that sequence explains everything the indicator is or is not doing on the chart.



One cycle. The overnight window feeds the slope, the opening range fixes the anchor, and the line is locked on the first bar after the range closes.

- 1 Overnight window opens** at `Overnight start`, 1800 New York by default. Every bar from here on is recorded — its high, its low and its close.
- 2 The day session opens** at `Open time`, 0930 by default. The overnight window closes and the opening range begins.
- 3 The opening range runs** for `Opening range minutes`. Its high and low are recorded. Nothing is drawn yet.
- 4 The line is locked** on the first bar after the range closes. The anchor is the opening range's midpoint; the slope comes from the overnight session. From this moment the line is fixed for the rest of the day.
- 5 Signals run** until `Levels end`, 1600 by default. After that the line stops extending and no new signals are produced.

THE LINE WILL NOT APPEAR BEFORE THE LOCK

If you load the indicator mid-morning, nothing is drawn until the next session's opening range completes. Scroll back a day to see finished examples.

SECTION THREE

THE TWO LINE ENGINES

Both engines anchor at the same point — the opening range midpoint. They differ only in how they read the overnight session.



Range Shift. A straight reading from the overnight midpoint to the opening-range midpoint. Responsive; it follows an overnight drift closely.



Regression. A least-squares fit through every overnight close. Steadier; a single spike late in the night moves it far less.

Choose Range Shift when

The overnight session trended cleanly and you want the line to carry that direction into the day.

Choose Regression when

The night was choppy or news-driven, and you want a slope that ignores the last hour's noise.

SECTION FOUR

SLOPE SCALE AND THE SLOPE CAP

Two settings sit between the calculated slope and the line you see. Both exist to keep the line usable on days when the overnight session gives a misleading reading.

Slope scale

Multiplies the calculated slope before it is drawn. **1.0** uses the raw slope. **0.5** halves it, which keeps the direction but flattens the drift. **0** gives a perfectly flat line at the opening-range midpoint — useful if you would rather trade a simple horizontal reference.

SLOPE SCALE 1.0

the calculated slope



Slope scale **1.0** — the raw slope.

SLOPE SCALE 0

flat, at the opening midpoint



Slope scale **0** — flat at the anchor.

Max slope (ATR per 100 bars)

A ceiling, not a target. It limits how far the line may travel over a hundred bars, measured in ATR so the same number works on any instrument. The default of **3.0** allows three ATR of drift per hundred bars, which is generous for a normal day and firm enough to stop a thin, gappy overnight session from sending the line off the chart by lunchtime. Set it to **0** to remove the cap entirely.

IF THE LINE LOOKS TOO FLAT

Check the cap before the engine. A line that starts steep and then looks mechanically straight is usually a slope that has been clipped — raise **Max slope** or lower it deliberately to keep the line tighter to price.

SECTION FIVE

INSTALLING TS ATLAS

Two minutes, once. NinjaTrader compiles the indicator on import and it is then available on every chart.

- 1 Save the file.** Keep the .zip you were sent exactly as it is — do not unzip it. NinjaTrader imports the archive itself.
- 2 Open the Control Center.** From the NinjaTrader main window choose **Tools > Import > NinjaScript Add-On...**
- 3 Select the archive** and click **Open**. NinjaTrader copies the source in and compiles it. A confirmation box appears when it is done.
- 4 Restart NinjaTrader.** Not strictly required, but it clears any stale compile state and avoids questions later.
- 5 Open a chart** on the instrument you trade, then press **Ctrl+I** or right-click the chart and choose **Indicators**.
- 6 Find TS_Atlas** in the list, double-click it to add it, and click **OK**.

USE A 24-HOUR SESSION TEMPLATE

Right-click the chart, choose **Properties**, and set **Session template** to one that includes the overnight session — **CME US Index Futures ETH** for the index futures, or **Default 24 x 7**. An RTH-only template contains no overnight bars, so no line can be built.

Recommended chart setup

BAR TYPE	Minute bars. 1, 2, 3 or 5 minute all work well.
SESSION	A template that includes the electronic session.
DATA LOADED	At least 5 days, so you can see finished examples.
CALCULATE	On bar close. Signals confirm on closed bars either way.
TIME ZONE	Anything. Leave Time basis on New York and the indicator converts for you.

SECTION SIX

LICENCE AND ACTIVATION

TS Atlas runs a seven-day trial the first time it is loaded, with no key and no setup. To keep it running past that, paste the key from your TraderSuite order into the indicator settings.

LICENSED	Key accepted. Everything drawing normally.
MEMBER	Active membership. Renews with your plan.
TRIAL	Running on the 7-day trial.
OFFLINE	No internet. Running on the grace period.
INVALID	Key not accepted. Nothing will be drawn.

Where the key goes. Indicator settings, group 0A. `License`, field `License Key`. It is masked as soon as it is entered.

- 1 **Open the indicator settings** — Ctrl+I on the chart, then click TS_Atlas in the list on the left.
- 2 **Scroll to 0A. License** at the top of the properties panel.
- 3 **Paste your key** into `License Key` and click OK. The line redraws within a second or two.
- 4 **Check License status.** It reads `key stored (hidden)` once a key is saved.

How validation works

The key is checked against the TraderSuite licence server, and the result is cached on your machine in a signed, machine-bound file. That cache is good for 24 hours, after which the indicator quietly checks again. If the server cannot be reached — your connection is down, or we are doing maintenance — TS Atlas keeps working on the cached result for **seven days** before it asks for a fresh check.

YOUR KEY IS NEVER SHOWN

It is stored as a masked field and is deliberately kept out of the chart's parameter label, so it cannot leak into a screenshot or a screen share.

ONE MACHINE AT A TIME

The cache is bound to the machine that made it. Moving to a new PC is fine — just paste the key again there.

LOST YOUR KEY?

It is on your TraderSuite order confirmation and in your account at tradersuite.online.

SECTION SEVEN · PRIMARY SIGNAL

SIGNAL ONE — DOUBLE CLOSE

Price crosses the line and then confirms it stayed. Two consecutive closes on the new side, with the bar before them on the old side.

DOUBLE CLOSE

two closes one side, the bar before on the other



A long Double Close. The third bar back closed below the line; the two bars after it both closed above. The arrow prints on the second confirming bar.

The rule, exactly

Long

Close of bar [2] below the line.
Close of bar [1] above it.
Close of bar [0] above it.

Short

Close of bar [2] above the line.
Close of bar [1] below it.
Close of bar [0] below it.

What to watch for

- Only closes count. A bar that trades through the line and closes back on the original side changes nothing.
- The signal fires on the close of the second confirming bar, so the arrow appears one bar after the cross — that delay is the confirmation.
- Cooldown** bars stops a second Double Close firing immediately after the first. Raise it on a choppy instrument.

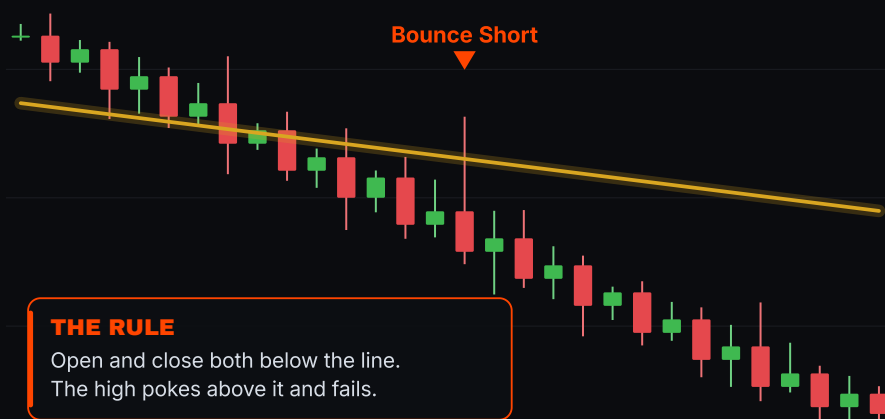
SECTION EIGHT · PRIMARY SIGNAL

SIGNAL TWO — BOUNCE

Price tests the line and is rejected inside a single bar. The wick pierces; the body does not.

BOUNCE

the wick pierces the line, the body does not



A short Bounce. The bar opened and closed below the line while its high pushed through and failed. The arrow prints on that bar's close.

The rule, exactly**Long**

Open and close both above the line.
The bar's low trades below it.

Short

Open and close both below the line.
The bar's high trades above it.

What to watch for

- A Bounce is a one-bar pattern, so it fires a bar earlier than a Double Close. Earlier is not the same as better — it has had less confirmation.
- Bounces appear more often on shorter bar intervals, simply because there are more wicks. If you are getting too many, either raise `CoolDown` bars or move to a higher interval.
- Turn the pattern off with Bounces in the Signals group. A doji sitting exactly on the line never qualifies.

RUNNING BOTH PATTERNS

Double Close and Bounce can fire on the same move, one after the other. `CoolDown` bars applies across both, so the second is suppressed until the cooldown has passed.

SECTION NINE · SECONDARY MARKS

CONTINUATION MARKS

P AND S

Two small letters that appear after an entry, not instead of one. They say the move paused and resumed while price held its side of the line.

CONTINUATION MARKS

they only appear after an arrow, and only while price stays on side

P - two bars against, then one with S - one bar against, then two with



P then S. Both follow the Double Close entry on the left, and both require price to still be on the signal's side of the line.

P — Pullback

Two against, one with

Two bars move against the position, then one bar resumes in its direction. The classic pause-and-continue.

S — Strength

One against, two with

One bar moves against the position, then two resume. A shallower pause and, by construction, a faster recovery.

The conditions they share

- There must be an active signal. No arrow, no marks. They are continuation information, never an entry on their own.
- Price must still be on side — above the line for a long, below it for a short — at the moment the mark would print.
- ATR must clear the floor. Minimum ATR (ticks) suppresses marks in dead, low-range conditions. The default is 4 ticks; set it to 0 to turn the filter off.

READING THEM IN PRACTICE

Most traders read P and S as a hold signal rather than an add signal. While the marks keep appearing the move is still behaving; when they stop and price returns to the line, it has lost its shape.

SECTION TEN

TRADE LEVELS

Every primary signal gets a stop and two targets, drawn the moment the arrow prints and tracked bar by bar until one of them is reached.



A tracked trade. Target 1 was reached first, then Target 2, which closes the trade. The gold dots mark the bar on which each was hit.

Stop red, dashed	Placed according to Stop mode. Reaching it ends the tracked trade.
Target 1 green, dashed	Target 1 (ATR) multiples of ATR from the signal close. A hit is marked with a dot; the trade stays open.
Target 2 green, dashed	Target 2 (ATR) multiples of ATR from the signal close. Reaching it closes the tracked trade.

The three stop modes

MODE	WHERE THE STOP GOES	SETTING USED
Signal bar	Just beyond the signal bar's own low (long) or high (short).	Stop buffer (ticks)
ATR	A multiple of ATR from the signal close. Adapts to the day's range.	Stop ATR multiple
Fixed ticks	A fixed tick distance from the signal close. Predictable risk per trade.	Stop fixed (ticks)

ONE TRADE AT A TIME

While a trade is being tracked, new arrows are ignored. Every signal's outcome is therefore recorded once, cleanly, rather than overwritten by the next one.

SECTION ELEVEN · SETTINGS REFERENCE

SESSION AND LINE

1. Session

SETTING	DEFAULT	WHAT IT DOES
Time basis	New York	New York reads every time below as US Eastern whatever the chart's time zone. Chart time uses the chart as it is.
Overnight start	1800	When the overnight recording window opens. 1800 is the CME electronic open in New York time. The window may cross midnight.
Open time	0930	When the day session opens. The overnight window ends here and the opening range begins.
Opening range minutes	20	How long the opening range runs. The line is locked on the first bar after this window closes.
Levels end	1600	When the line and its signals stop for the day.

2. Line

SETTING	DEFAULT	WHAT IT DOES
Line mode	Range Shift	Range Shift takes the slope from the overnight midpoint to the opening-range midpoint. Regression fits a least-squares line through the overnight session. Both anchor at the opening-range midpoint.
Slope scale	1.0	Multiplies the calculated slope. 1 is raw; 0 gives a flat line at the anchor.
Max slope	3.0	Caps the drift in ATR per 100 bars, so a thin overnight session cannot send the line off the chart. 0 removes the cap.
ATR length	14	ATR period used for the slope cap, the signal filter and the target distances.

SECTION TWELVE · SETTINGS REFERENCE

SIGNALS AND TRADE LEVELS

3. Signals

SETTING	DEFAULT	WHAT IT DOES
Double closes	True	Two consecutive closes on one side of the line with the bar before on the other side.
Bounces	True	Open and close on one side of the line while the wick pierces it and is rejected.
Pullbacks	True	After a primary signal, two counter bars then one resuming bar with price still on side. Marked P.
Strength	True	After a primary signal, one counter bar then two continuation bars with price still on side. Marked S.
Cooldown bars	3	Minimum bars between primary signals. Stops a choppy line firing repeatedly.
Minimum ATR (ticks)	4	P and S marks are skipped when ATR is below this. Measured in ticks so the same value works on any instrument. 0 turns the filter off.

4. Trade levels

SETTING	DEFAULT	WHAT IT DOES
Show trade levels	True	Draw a stop and two targets on every primary signal and track which was reached first.
Stop mode	Signal bar	Signal bar puts the stop beyond the signal bar's own extreme. ATR and Fixed ticks measure from the signal close.
Stop buffer (ticks)	2	Extra ticks beyond the signal bar's extreme. Signal bar mode only.
Stop ATR multiple	1.0	Stop distance in ATR. ATR mode only.
Stop fixed (ticks)	40	Stop distance in ticks. Fixed ticks mode only.
Target 1 (ATR)	1.0	First target, measured from the signal close in ATR.
Target 2 (ATR)	1.8	Second target. Reaching it closes the tracked trade.

SECTION THIRTEEN · SETTINGS REFERENCE

ALERTS AND DISPLAY

5. Alerts

SETTING	DEFAULT	WHAT IT DOES
Enable alerts	False	Raise a NinjaTrader alert on every primary signal. The alert appears in the Control Center's Alerts tab.
Alert sound file	Alert1.wav	A .wav file name from NinjaTrader's sounds folder. Leave blank for a silent alert.

6. Display

SETTING	DEFAULT	WHAT IT DOES
Show logo	True	TraderSuite logo in the top-left of the chart. Downloaded once in the background, then cached locally.
Logo size	26	Logo height in pixels. Width follows the image's own proportions.
Logo opacity	90	How solid the logo is, as a percentage.
Logo margin left	10	Pixels from the left edge of the chart panel.
Logo margin top	10	Pixels from the top edge of the chart panel.
Signal text size	11	Font size of the arrow labels and the P and S marks.
Long colour	LimeGreen	Arrows, labels and marks for long signals.
Short colour	OrangeRed	Arrows, labels and marks for short signals.
Days to draw	10	Labels, arrows and hit dots are kept for this many days, today included. Older ones are removed so long charts stay fast. 0 keeps everything.

CHANGING THE LINE'S OWN COLOUR

The TS Atlas line, the stop and the targets are plots, so they live in the **Plots** section of the same settings window rather than under Display. Set any of them to transparent there to hide it while keeping its values.

SECTION FOURTEEN

PLOTS, STRATEGY BUILDER AND AUTOMATION

TS Atlas exposes its values as ordinary NinjaScript plots, so anything else in NinjaTrader can read them — Strategy Builder included.

The four plots

PLOT	STYLE	VALUE
AtlasLine	gold, solid	The line's price on this bar. Undefined before the lock and after Levels end.
StopLevel	red, dashed	The active trade's stop, or undefined when no trade is being tracked.
Target1	green, dashed	The active trade's first target.
Target2	green, dashed	The active trade's second target.

Using them in Strategy Builder

- 1 New strategy.** Control Center, New > Strategy Builder.
- 2 Add a condition.** On the left-hand side choose Indicators > TS_Atlas, then pick the plot you want — for example AtlasLine.
- 3 Set the parameters** in the dialogue that appears. They must match the settings on your chart, or the strategy will be reading a differently configured line.
- 4 Compare it to price** — for example Close > AtlasLine for long bias.

CHECK FOR UNDEFINED VALUES

Before the line locks each morning the plots hold no value. In Strategy Builder, guard your conditions so they only evaluate once the line exists — comparing against an empty plot will not behave the way you expect.

Hiding a plot without losing it

Under Plots, setting a plot's colour to transparent removes it from the chart while its values remain available to strategies and other indicators.

SECTION FIFTEEN

TROUBLESHOOTING



The message TS Atlas prints when the chart has no overnight bars to read. Nine times in ten this is a session template that needs changing.

WHAT YOU SEE	WHAT TO DO
No line at all	Check the session template includes the overnight session, and that the chart has loaded enough days. Then check the clock — the line only appears after the opening range closes.
"No overnight data"	The chart has no bars between <code>Overnight start</code> and <code>Open time</code> . Switch to a 24-hour session template, or move <code>Overnight start</code> to a time your data actually covers.
Line appears far from price	Usually a time-zone mismatch. Leave <code>Time basis</code> on New York and let the indicator convert, rather than adjusting the times by hand.
Line looks almost flat	<code>Max slope</code> is clipping it, or <code>Slope scale</code> has been reduced. Check the cap first.
Too many signals	Raise <code>CoolDown bars</code> , turn off one of the two primary patterns, or move to a higher bar interval.
No P or S marks	They only follow a primary signal, and they need ATR above <code>Minimum ATR (ticks)</code> . Set that to 0 to rule the filter out.
Stop and targets missing	Check <code>Show trade levels</code> is on, then check under <code>Plots</code> that <code>StopLevel</code> , <code>Target1</code> and <code>Target2</code> are not set to transparent.
"Licence check failed"	Confirm the key was pasted with no stray spaces, and that NinjaTrader can reach the internet. TS Atlas keeps running on its cached licence for seven days, so there is time to sort it out.
Trial expired	Paste your key into <code>License Key</code> under <code>0A. License</code> . Keys are on your order confirmation and in your account at tradersuite.online .
Chart feels slow	Lower <code>Days to draw</code> . Every kept day carries its own arrows, labels and dots.

SECTION SIXTEEN

SUGGESTED STARTING SETTINGS

Starting points, not recommendations. Every instrument and every bar interval behaves differently, and these are meant to be adjusted once you have watched a few sessions.

US index futures — ES, NQ, YM, RTY

SETTING	5 MINUTE	1 MINUTE
Line mode	Range Shift	Regression
Opening range minutes	20	15
Cooldown bars	3	8
Max slope	3.0	2.0
Stop mode	Signal bar	ATR
Target 1 / Target 2	1.0 / 1.8	1.0 / 2.0

Adjusting it yourself

- Start with the line. Load a week of data and step back through each day. Does the line sit where price found balance, or does it drift away? Change **Line mode** first, then **Max slope**.
- Then the signal count. Aim for a handful of arrows a day, not dozens. **Cooldown bars** is the blunt control; turning off one of the two patterns is the sharper one.
- Then the levels. Set **Target 2** to something the instrument actually reaches on a normal day. If the dots almost never appear, it is too far away.
- Change one thing at a time and look at several days before deciding. A setting that flatters one session often fails the next.

ON BACKTESTING BY EYE

Stepping back through a chart is useful for judging whether the line looks sensible. It is not a performance test: you already know what happened next. Treat what you see as a sanity check, nothing more.

SECTION SEVENTEEN

QUICK REFERENCE

 Gold line

The TS Atlas line. Locked once the opening range closes, fixed for the rest of the day.

 Green arrow

Long entry — Dbl Close Long or Bounce Long.

 Red arrow

Short entry — Dbl Close Short or Bounce Short.

 P

Pullback. Two bars against, one with, price still on side.

 S

Strength. One bar against, two with, price still on side.

 Red dashed

Stop for the tracked trade.

 Green dashed

Target 1 and Target 2, measured in ATR from the signal close.

 Gold dot

The bar on which a target was reached.

Default session times — New York

OVERNIGHT	18:00 → 09:30 — recorded, nothing drawn
OPENING RANGE	09:30 → 09:50 — high and low recorded
LINE LOCKED	first bar after 09:50
SIGNALS RUN	from the lock until 16:00
AFTER 16:00	line stops, no new signals

Where to look first**NOTHING DRAWN**

Session template, then the clock.

TOO MANY ARROWS

Cooldown bars.

LINE TOO FLAT

Max slope, then Slope scale.



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TS Atlas v1.0.3 · NinjaTrader 8 · September 2026

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