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NINJATRADER 8 INDICATOR · NINJASCRIPT, C#

User Guide

EMA cross signals scored on six confluence layers, with session VWAP, an entry, a stop and three targets, a 19-row dashboard and alerts.

PRODUCT	Sniper Ashfield Pro for NinjaTrader 8
VERSION	1.0.0
DATE	November 2026
NINJATRADER	8.1.x Desktop, tested on 8.1.9.0
PACKAGE	`SniperAshfieldPro.zip`, compiled NinjaScript Add-On
SHA-256	`499f4c1d9dbfc25a48c14b0cb9f053b57e6165bacc899371143103366044e018`
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01

What it is

Chart indicator for NinjaTrader 8 Desktop (NinjaScript, C#). A signal can only happen on the bar where the fast EMA crosses the slow EMA. On that bar the indicator scores six layers, one point each: EMA, VWAP, RSI, MACD, ADX and volume. The signal fires when the score reaches the Minimum Confluence Score and no signal in the same direction fired within the Signal Cooldown. It marks the signal with a BUY or SELL plate rated in stars, and draws an entry line, a stop and three targets with price tags for the latest signal. It also draws an EMA ribbon and a session VWAP, tints the candles by the EMA trend, shows a 19-row dashboard, and has 13 alert events. It only draws and alerts: it never places, modifies or closes orders.

Two properties of the score matter when reading it. The EMA layer always scores on a cross bar, so the effective choice is how many of the other five agree. A filter switched off scores its point automatically, so switching one off makes signals more frequent, not rarer.

The dashboard's PERFORMANCE row is a tally of what the drawn plan would have met on the bars this chart has loaded. It is not a backtest: it has no spread, commission, slippage or position size. A stop after TP1 counts as a win, and a trade replaced by a new signal before it reaches TP3 or its stop is not counted.

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Installation

Requirements

- NinjaTrader 8.1.x Desktop for Windows (tested on 8.1.9.0). Not for NinjaTrader 8.0 or NinjaTrader Web.
- Any data connection that delivers bars with volume for the chart. No Order Flow+ features, no depth, no tick history. The VWAP and one confluence layer read the volume.

Import the Add-On package

1. Control Center > Tools > Import > NinjaScript Add-On.
2. Select `SniperAshfieldPro.zip` and confirm. NinjaTrader compiles the assembly and reports that the import is complete.
3. No restart is needed. If a chart already had an older version, remove and re-add the indicator (a compile does not reload running instances).

Verify installation

1. Open a chart with at least a few hundred bars (any instrument, a 1 to 60 minute interval is a good first look), press Ctrl+I.
2. In the Available list find **Sniper Ashfield Pro**, click add, click OK.
3. The chart shows: - the fast and slow EMA with a coloured ribbon between them, and the VWAP line; - the candles tinted in the trend colour; - a `BUY ▲` or `SELL ▼` plate with a star rating on every signal bar; rest the pointer on one to see its levels; - for the latest signal, an entry line, a stop and three targets with price tags; - the 19-row dashboard in the top-right corner.

If no levels are showing, the last trade has already closed at TP3 or its stop: the dashboard's ACTIVE SIGNAL section then reads WAITING.

Uninstall / update

- Remove: Control Center > Tools > Remove NinjaScript Assembly > Sniper Ashfield Pro.
- Update: import the new zip over the installed version (NinjaTrader replaces the assembly), then remove and re-add the indicator on every chart that uses it, or reload the workspace.

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Quick start

First chart

1. Add **Sniper Ashfield Pro** to a chart (Ctrl+I). Leave every setting at its default.
2. Load enough history: the first bars of a short chart can differ slightly from a chart with more days loaded, because the EMA and RMA values settle over a few hundred bars. **Days to load** is in the chart's Data Series dialog.

Reading the chart

- **EMA ribbon**: the fast EMA in the bullish colour, the slow EMA in the bearish colour, and a fill between them in the colour of the current trend.
- **VWAP**: the session VWAP, coloured by which side of it price closed.
- **Candles**: tinted at 50 % transparency in the colour of the EMA trend. **Color Bars by Trend** switches this off.
- **Plates**: `BUY ▲` under the bar and `SELL ▼` over it, on the signal bar. The stars are the score, with five stars for 5 or 6. Rest the pointer on a plate to see the confluence score, entry, stop and three targets. The chart keeps the newest 500 to 505 plates and tags, and older plates drop off.
- **Lines and tags**: the latest signal's trade. A solid white entry line, a dashed stop, TP1 and TP2 dashed, TP3 dotted, each running 40 bars from the signal bar, with a price tag at its end. When a tag would lie past the right edge of the chart it is pulled inside, and its line ends where the tag starts.

How a trade ends

On every bar, before looking for a new signal, the live trade is checked in this order:

1. TP1, then TP2, then TP3: a long target is hit when the bar's high reaches it, a short one when the low does. TP3 closes the trade as a win and removes the whole set of lines and tags.
2. The stop: the low for a long, the high for a short. It removes the set. A stop after TP1 counts as a win, a stop before TP1 as a loss.

A TP1 or TP2 hit restyles that line to solid and faded, and the trade stays open. A new signal replaces a live trade without scoring it. When one bar closes the old trade and fires a new signal, the new trade is live on the dashboard, in the alerts and the tally, but its lines are not drawn.

The dashboard

Nineteen rows, three columns. Every value is the newest record: the last closed bar with `OnBarClose`, the forming bar in a per-tick mode.

SECTION	SHOWS
header	product name, an empty cell, the instrument and interval
MARKET CONTEXT	market bias with its edge in %; price against the VWAP; ATR in price and as % of price
MOMENTUM ENGINE	RSI with OVERBOUGHT, OVERSOLD, Bull or Bear; MACD line against its signal; ADX with STRONG or WEAK; which EMA is on top and volume against its 20-bar average
CONFLUENCE	the standing BUY and SELL scores with the minimum needed. A standing score is not a signal: a signal also needs the EMA cross and the cooldown
ACTIVE SIGNAL	direction with stars and bars since the signal, or WAITING; entry with open result in %; stop with distance in %; three targets, each with a tick once reached
PERFORMANCE	win rate, signals as nB/nS, TP and SL hit counts. A tally of the drawn plan on the loaded bars, not a backtest

Settings to try first

SETTING	WHAT IT CHANGES
Minimum Confluence Score	1 is loosest, 6 strictest. Raise it, or **Signal Cooldown**, for fewer signals.
Require ... filters	A filter switched off scores its point automatically, so switching one off gives more signals, not fewer.
SL ATR Multiplier and **TP1 / TP2 / TP3 Risk:Reward**	The stop distance in ATRs from the signal bar's close, and the targets as multiples of the risk. The risk is never smaller than ten ticks.
Show SL / TP Levels on Chart	Drawing only: with it off every trade is still tracked, scored, alerted and shown on the dashboard.

SETTING	WHAT IT CHANGES
BUY Label Text / SELL Label Text	Four wordings each, among them a coloured disc, which the indicator paints itself.
VWAP Session Anchor	Where the VWAP resets, see the chapter on sessions.
Dashboard Position / Dashboard Size	Six positions and four sizes.

Alerts

Thirteen events, each with its own switch in **09 Alert Delivery**. On by default: BUY Signal, SELL Signal, TP1, TP2, TP3 and SL Hit. Off by default: Any Signal, the two EMA crosses, the two VWAP crosses and the two RSI 50 crosses.

Every alert appears in the Alerts Log window. **Alert Log Line** also writes it to the NinjaScript Output window, **Alert Sound** plays a sound with it, and **Alert E-mail** sends it through the Mail share service configured in NinjaTrader. With **Enable Master alert() Pushes** on, BUY and SELL carry the entry, stop, three targets and score. That switch does not turn events off: the per-event switches do.

Alerts fire only on live bars, never for the history loaded when the indicator is added, once per event and bar, when the bar closes. This edition has no webhook.

What it does not do

It places no orders. It marks where its rules fired and draws the levels those rules compute; it does not forecast where price goes next.

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Calculate mode and bar timing

- Default `Calculate.OnBarClose`: one commit per closed bar. The plots, lines, plates and dashboard move when a bar closes. The last historical bar, still forming when the chart loads, is previewed and committed once it has closed.
- `OnEachTick` / `OnPriceChange`: the closed bar is committed once, at the first tick of the next bar, and the forming bar is previewed at most four times a second. A preview is rolled back completely before the next one: the series, the trade state, the counters and the drawing. A target touched and un-touched on a forming bar leaves no trace.
- **Non-Repaint Mode** on (default): a signal is decided when its bar closes and never changes. Off, in a per-tick mode: the cross and the score are judged on the forming bar, so a plate can appear and disappear before the bar closes. On history the two are identical, and with `OnBarClose` the only bar the switch can touch is the forming bar previewed when the chart loads. Target and stop checks run on a forming bar in both positions.
- Alerts belong to closed bars only: every event, the target and stop hits included, is delivered when its bar is committed.
- With no tick arriving, a bar has not closed for NinjaTrader. On a closed market the session's last bar stays a preview until the next session opens, so a signal on that bar appears then, and its alert is normally dropped as stale.
- NinjaTrader stamps a bar with its close. A bar's open time, in UTC, is the stamp minus the bar period. Day and longer bars use the calendar date of the stamp, and bars with no fixed period use the previous bar's stamp.

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Outputs for strategies and the Market Analyzer

PLOT / SERIES	DRAWN	VALUES
`FastEma` (plot 0)	yes	the fast EMA; unset during its warm-up
`SlowEma` (plot 1)	yes	the slow EMA; unset during its warm-up
`Vwap` (plot 2)	yes	the session VWAP; unset with Show VWAP Line off
`BuySignal` (plot 3)	no	1 on the bar of a BUY signal, otherwise 0
`SellSignal` (plot 4)	no	1 on the bar of a SELL signal, otherwise 0
`BuyScore` (plot 5)	no	the standing BUY score, 0 to 6, on every bar
`SellScore` (plot 6)	no	the standing SELL score, 0 to 6, on every bar
`ActiveDirection` (plot 7)	no	the live trade after the bar: 1 long, -1 short, 0 none
`EntryPrice` (plot 8)	no	the live trade's entry; unset when no trade is live

PLOT / SERIES	DRAWN	VALUES
`StopLevel` (plot 9)	no	the live trade's stop; unset when no trade is live
`Target1`, `Target2`, `Target3` (plots 10 to 12)	no	the live trade's targets; unset when no trade is live

The three drawn plots take their colours from the inputs **Bullish Color** and **Bearish Color**, bar by bar. A colour picked for them in the indicator's Plots section is overridden; their width and dash style can be changed there.

06

Parameters

The 34 inputs in groups 01 to 06 keep the titles, order, defaults and ranges of the other editions (the group names carry a number prefix because NinjaTrader sorts groups alphabetically). Groups 07 Display, 08 VWAP, 09 Alert Delivery and 10 NinjaTrader hold the 27 platform settings: 61 parameters in total.

GROUP	PARAMETER	TYPE	DEFAULT	RANGE	PROPERTY	NOTES
01 Signal Engine	Fast EMA	int	9	2,int.MaxValue	`FastLen`	Period of the fast EMA. A BUY can only happen on the bar the fast EMA crosses above the slow one, a SELL on the bar it crosses below.
01 Signal Engine	Slow EMA	int	21	3,int.MaxValue	`SlowLen`	Period of the slow EMA. The pair also colours the ribbon, the candles and the dashboard's EMA row.
01 Signal Engine	Minimum Confluence Score	int	3	1 to 6	`MinConfluence`	1=loosest, 6=strictest. Six layers add 1 point each when active: (1) EMA cross, (2) VWAP, (3) RSI, (4) MACD, (5) ADX strength, (6) volume burst. The EMA layer always scores on a cross bar, and a layer switched off below scores its point automatically.
01 Signal Engine	Signal Cooldown (bars)	int	5	1 to 200	`SignalCooldown`	Minimum bars between two signals in the same direction. A BUY does not block a SELL.
01 Signal Engine	Non-Repaint Mode (signals confirm on bar close)	bool	true		`NonRepaintMode`	On: a signal is only decided when its bar closes. Off, with Calculate OnEachTick or OnPriceChange: it can appear on the forming bar and disappear again if the cross undoes itself before the close. On history the two are identical.
02 Confluence Filters	Require Price vs VWAP	bool	true		`UseVwap`	Layer 2: a BUY needs the close above the session VWAP, a SELL below. Off awards the point to every bar, so signals become more frequent, not fewer.
02 Confluence Filters	Require RSI Momentum	bool	true		`UseRsi`	Layer 3: a BUY needs RSI above 50, a SELL below. Off awards the point automatically.
02 Confluence Filters	RSI Length	int	14	2,int.MaxValue	`RsiLen`	RSI period for layer 3 and the dashboard's RSI row.

GROUP	PARAMETER	TYPE	DEFAULT	RANGE	PROPERTY	NOTES
02 Confluence Filters	Require MACD Trend	bool	true		`UseMacd`	Layer 4: MACD 12/26/9 line above its signal line for a BUY, below for a SELL. The lengths are fixed. Off awards the point automatically.
02 Confluence Filters	Require ADX Strength	bool	true		`UseAdx`	Layer 5: ADX(14) above the threshold and the close on the signal's side of the fast EMA. Off awards the point automatically.
02 Confluence Filters	ADX Threshold	int	20	10 to 50	`AdxThresh`	The ADX level layer 5 and the dashboard's STRONG / WEAK read against.
02 Confluence Filters	Require Volume Burst (≥ 1.0× SMA20)	bool	true		`UseVol`	Layer 6: the bar's volume above its 20-bar average and the candle closing in the signal's direction. Off awards the point automatically.
03 Risk Management (SL / TP)	Show SL / TP Levels on Chart	bool	true		`ShowSlTp`	Draws the entry, stop and three target lines with their price tags. Drawing only: with it off every trade is still tracked, scored, alerted and shown on the dashboard.
03 Risk Management (SL / TP)	ATR Length	int	14	1,int.MaxValue	`AtrLen`	Period of the ATR the stop is measured in, also shown on the dashboard.
03 Risk Management (SL / TP)	SL ATR Multiplier	double	1.5	0.1 to 10.0	`AtrMult`	Stop distance in ATRs from the signal bar's close. The risk unit behind the targets is never smaller than ten ticks.
03 Risk Management (SL / TP)	TP1 Risk:Reward	double	1.0	0.5 to 10.0	`RrTp1`	First target, as a multiple of the risk unit. Reaching it turns a later stop-out into a win in the tally.
03 Risk Management (SL / TP)	TP2 Risk:Reward	double	2.0	0.5 to 10.0	`RrTp2`	Second target, as a multiple of the risk unit.
03 Risk Management (SL / TP)	TP3 Risk:Reward	double	3.0	0.5 to 10.0	`RrTp3`	Third target, as a multiple of the risk unit. Reaching it closes the trade as a win and removes its lines.
03 Risk Management (SL / TP)	Level Line Extension (bars)	int	40	5 to 500	`ExtendBars`	How many bars to the right of the signal the five lines run; the price tags sit one bar beyond, which can be in the future.
04 Visuals	Bullish Color	colour	#00E5A8		`BullBrush`	BUY plates, the fast EMA, the bullish ribbon and candles, the VWAP while price closes above it, and every target.

GROUP	PARAMETER	TYPE	DEFAULT	RANGE	PROPERTY	NOTES
04 Visuals	Bearish Color	colour	#FF3B5C		`BearBrush`	SELL plates, the slow EMA, the bearish ribbon and candles, the VWAP while price closes below it, and the stop.
04 Visuals	Show EMA Ribbon	bool	true		`ShowRibbon`	Fills between the two EMAs in the colour of the current trend.
04 Visuals	EMA Ribbon Opacity	int	75	0 to 100	`RibbonOp`	Ribbon opacity, 0 invisible to 100 solid.
04 Visuals	Show VWAP Line	bool	true		`ShowVwap`	Draws the session VWAP, coloured by which side of it price closed. Layer 2 keeps working with it hidden.
04 Visuals	Color Bars by Trend	bool	true		`ColorBars`	Tints every candle, at 50 % transparency, in the colour of the EMA trend.
04 Visuals	BUY Label Text	NinjaTrader.NinjaScript.SapBuyLabel	NinjaTrader.NinjaScript.SapBuyLabel.BuyTriangle		`BuyLblStyle`	Wording on the BUY plate: BuyTriangle = BUY with an up triangle, BuyCircle = a green disc and BUY, Buy = BUY, LongArrow = an up arrow and LONG.
04 Visuals	SELL Label Text	NinjaTrader.NinjaScript.SapSellLabel	NinjaTrader.NinjaScript.SapSellLabel.SellTriangle		`SellLblStyle`	Wording on the SELL plate: SellTriangle = SELL with a down triangle, SellCircle = a red disc and SELL, Sell = SELL, ShortArrow = a down arrow and SHORT.
05 Dashboard	Show Info Dashboard	bool	true		`ShowDash`	The 19-row panel: market context, momentum, confluence, the active signal and a running tally.
05 Dashboard	Dashboard Position	NinjaTrader.NinjaScript.SapDashPos	NinjaTrader.NinjaScript.SapDashPos.TopRight		`DashPos`	Which corner or edge the panel sits in, six choices.
05 Dashboard	Dashboard Size	NinjaTrader.NinjaScript.SapDashSize	NinjaTrader.NinjaScript.SapDashSize.Tiny		`DashSize`	Panel text size, Tiny to Large. Row labels and highlighted values use two ladders one step apart.
05 Dashboard	Dashboard Background	colour	#0A1929		`DashBgBrush`	Paints the panel's rows only with Apply Dashboard Background on (07 Display). Otherwise every row colour is fixed and this colour changes nothing.
05 Dashboard	Dashboard Header Color	colour	#1976D2		`DashAccBrush`	Colour of the panel's top row.

GROUP	PARAMETER	TYPE	DEFAULT	RANGE	PROPERTY	NOTES
06 Alerts	Enable Master alert() Pushes	bool	true		`EnableAlerts`	Chooses the richer message for the six trade events: BUY and SELL carry entry, stop, three targets and score; TP and SL hits get the short SAP line. Off, every event uses its one-line message. Which events are delivered at all is chosen in 09 Alert Delivery.
06 Alerts	Webhook JSON Format	bool	false		`WebhookJson`	Writes the BUY / SELL alert text as one JSON object instead of the multi-line text. This edition posts no webhook: the setting changes the text only.
07 Display	Label Glyphs	NinjaTrader.NinjaScript.SapGlyphs	NinjaTrader.NinjaScript.SapGlyphs.Unicode		`Glyphs`	Unicode prints the arrows, stars and ticks as designed. Ascii substitutes plain characters for a machine whose fonts cannot draw them.
07 Display	Emoji Rendering	NinjaTrader.NinjaScript.SapEmojiMode	NinjaTrader.NinjaScript.SapEmojiMode.Drawn		`EmojiMode`	How the green and red circle label options draw their disc. Drawn paints a coloured disc; Font leaves the character to the system font, which may show one colour or a box.
07 Display	Clamp Right-Edge Labels	bool	true		`ClampRightEdgeLabels`	Keeps the ENTRY / SL / TP price tags inside the right edge of the chart when their bar lies beyond it; the line ends where its tag starts. Off lets them run off-screen unless the chart has room on the right.
07 Display	Show Hover Tooltips	bool	true		`ShowTooltips`	Rest the pointer on a BUY or SELL plate to see its score, entry, stop and targets. Dragging and zooming are unaffected.
07 Display	Apply Dashboard Background	bool	false		`ApplyDashBg`	When on, the Dashboard Background colour is used for the dashboard rows.
08 VWAP	VWAP Session Anchor	NinjaTrader.NinjaScript.SapVwapAnchor	NinjaTrader.NinjaScript.SapVwapAnchor.DailyBars		`VwapAnchor`	Where the VWAP resets. DailyBars starts each session on the first bar of each session of the chart's Trading Hours template. UtcMidnight and CustomHourUtc use a fixed clock time instead.
08 VWAP	Anchor Hour (UTC)	int	0	0 to 23	`VwapAnchorHourUtc`	The reset hour when VWAP Session Anchor is CustomHourUtc.
09 Alert Delivery	Alert Log Line	bool	true		`AlertLogLine`	Writes each alert to the NinjaScript Output window. Every alert also appears in the Alerts Log window.

GROUP	PARAMETER	TYPE	DEFAULT	RANGE	PROPERTY	NOTES
09 Alert Delivery	Alert Sound	bool	false		`AlertSound`	Plays a sound with each alert.
09 Alert Delivery	Alert Sound File	string	"Alert2.wav"		`AlertSoundFile`	A file name inside the NinjaTrader sounds folder, for example Alert2.wav, or the full path to a .wav file. Blank plays Alert2.wav.
09 Alert Delivery	Alert E-mail	bool	false		`AlertEmail`	Sends each alert by e-mail through the Mail share service configured in NinjaTrader (Tools > Options > Share).
09 Alert Delivery	E-mail To	string	""		`EmailTo`	Recipient address for alert e-mails. Blank sends none.
09 Alert Delivery	Alert: BUY Signal	bool	true		`AlertBuySignal`	Delivers an alert when a BUY plate is drawn.
09 Alert Delivery	Alert: SELL Signal	bool	true		`AlertSellSignal`	Delivers an alert when a SELL plate is drawn.
09 Alert Delivery	Alert: Any Signal	bool	false		`AlertAnySignal`	Delivers an alert on either direction. Off by default, because the two above already cover it.
09 Alert Delivery	Alert: Bullish EMA Cross	bool	false		`AlertBullishEmaCross`	Every upward EMA cross, whether or not it scored enough to become a signal.
09 Alert Delivery	Alert: Bearish EMA Cross	bool	false		`AlertBearishEmaCross`	Every downward EMA cross, whether or not it scored enough to become a signal.
09 Alert Delivery	Alert: Crossed Above VWAP	bool	false		`AlertCrossedAboveVwap`	The close crossing up through the VWAP. Frequent.
09 Alert Delivery	Alert: Crossed Below VWAP	bool	false		`AlertCrossedBelowVwap`	The close crossing down through the VWAP. Frequent.
09 Alert Delivery	Alert: RSI Bullish 50 Cross	bool	false		`AlertRsiBullish50`	RSI crossing up through 50.
09 Alert Delivery	Alert: RSI Bearish 50 Cross	bool	false		`AlertRsiBearish50`	RSI crossing down through 50.
09 Alert Delivery	Alert: TP1 Hit	bool	true		`AlertTp1Hit`	The first target reached.
09 Alert Delivery	Alert: TP2 Hit	bool	true		`AlertTp2Hit`	The second target reached.
09 Alert Delivery	Alert: TP3 Hit	bool	true		`AlertTp3Hit`	The third target reached; the trade is closed.
09 Alert Delivery	Alert: SL Hit	bool	true		`AlertSlHit`	The stop reached; the trade is closed.
10 NinjaTrader	Debug Mode	bool	false		`DebugMode`	Writes diagnostics to sap_nt_debug.log in the NinjaTrader 8 folder.

GROUP	PARAMETER	TYPE	DEFAULT	RANGE	PROPERTY	NOTES
10 NinjaTrader	Dump Bars + Outputs CSV	bool	false		`DebugDumpCsv`	Writes every committed bar with the engine outputs to sap_dump_<instrument> *<period>.csv and the VWAP session starts to sap_days*<instrument>_<period>.csv (parity checks).

61 parameters.

07

Sessions, time and volume

Sessions and the VWAP

The VWAP accumulates from the start of a session, and **VWAP Session Anchor** decides where that is:

ANCHOR	THE VWAP RESETS ON
`DailyBars` (default)	the first bar of each session of the chart's own series, from its Trading Hours template. On day, week, month and year bars, every bar.
`UtcMidnight`	the first bar whose open time falls in a new UTC day.
`CustomHourUtc`	the same, with the day starting at **Anchor Hour (UTC)**.

So the Trading Hours template matters. With an ETH template (for example `CME US Index Futures ETH`) the VWAP runs from the evening open and the overnight bars take part in everything; with an RTH template it runs from the morning open and they do not exist. Both are valid; the values differ, as they do for any indicator. A template with two sessions in one day resets the VWAP twice: use `UtcMidnight` or `CustomHourUtc` if that is not what you want.

Only the VWAP has a session. The EMAs, RSI, MACD, ADX and ATR run on every bar the chart delivers.

Time stamps

NinjaTrader stamps a bar with its CLOSE time in the platform time zone chosen under Tools > Options. The bar's open time is reconstructed as close time minus the bar period and converted to UTC, and the two UTC anchors read it. For a day or longer bar it is the calendar date of the stamp, and for a bar with no fixed period the previous bar's stamp.

Volume

Volume on a futures chart is real contract volume. The VWAP is weighted by it and the volume layer compares it with its own 20-bar average. On a forex feed the volume is whatever the feed supplies, usually a tick count.

Contract rollover

A continuous contract (merge policy `MergeBackAdjusted` or `MergeNonBackAdjusted` in the Data Series dialog) shows a price jump at the roll unless back-adjusted. A non-back-adjusted roll produces one oversized true range, which widens the ATR and the stops that follow it for a while, and can produce an EMA cross of its own. State the merge policy when comparing values across machines.

History

EMA and Wilder averages settle over a few hundred bars, so the first bars of a short chart can differ slightly from a chart with more days loaded. The dashboard's PERFORMANCE row counts the bars the chart has loaded, so it changes with **Days to load**.

08

Compatibility

ITEM	STATUS
NinjaTrader version	8.1.x Desktop (tested 8.1.9.0). Not 8.0, not NinjaTrader Web or mobile.
Product type	Indicator, price panel overlay, single data series.
Instruments	Any instrument with bars and volume: futures, micro futures, forex, stocks.
Bar types	Time-based (second, minute, day, week, month, year) fully. Tick, volume, range, Renko and other non-time bars run. Day and longer bars start a new VWAP session on every bar.
Calculate modes	OnBarClose (default), OnEachTick, OnPriceChange (forming bar previewed at most four times a second).
Multi-instance	Yes. Every instance paints its own surface. Two dashboards at one position overlap: use **Dashboard Position**.
Market Analyzer	Loads with no drawing; the series in the README's outputs section are available as columns. Not advertised as a scanner.
Strategies	The series are calculated on every historical bar, so a strategy can read them, with no drawing and no alerts in a backtest.
Data requirements	Bars with volume. On a feed without volume the VWAP layer and the volume layer score no point.

ITEM	STATUS
Rendering	SharpDX in `OnRender` with DPI scaling and full resource cleanup on render-target change and termination. No draw objects. The three plots are NinjaTrader's own.
Candle colours	`BarBrushes` and `CandleOutlineBrushes`, on candlestick and other bar styles the chart supports.
Templates and workspaces	All settings serialize (colours through the standard brush serializer).
Alerts	Alerts Log, NinjaScript Output, sound, and e-mail through NinjaTrader's Mail share service. No webhook, and no network call of its own.
Order handling	None. The indicator never touches orders, positions or accounts.

09

Troubleshooting

SYMPTOM	CAUSE AND FIX
Nothing on the chart	Check that the licence is active for your NinjaTrader login and that the indicator is in the Configured list (Ctrl+I). It paints in the price panel: with the indicator in its own panel it is not visible over the candles.
I switched a filter off and got more signals	By design. Each of the five optional layers scores its point automatically when switched off, so switching one off raises every score. To make signals rarer, raise **Minimum Confluence Score** or **Signal Cooldown**.
The levels disappeared	The last trade reached TP3 or its stop: its lines and tags are removed and ACTIVE SIGNAL reads WAITING until the next signal. On a signal bar that also closed the previous trade, the new trade is tracked but its lines are not drawn.
A trade shows as a win although the stop was hit	A stop after TP1 was reached counts as a win in the PERFORMANCE row. That is the tally's rule.
The dashboard shows a score of 4 but no signal fired	The score row is the standing reading of the six layers on the newest bar. A signal also needs an EMA cross on that bar and no same-direction signal within the cooldown.
Old plates vanished on a long chart	The indicator keeps the newest 500 to 505 labels and drops the oldest. Nothing about the calculation changes.
Everything updates only when a bar closes	That is the default `OnBarClose`. Choose OnEachTick or OnPriceChange to see the forming bar.
A signal on the session's last bar appears only after the next open	With no tick arriving, a bar has not closed for NinjaTrader. It is committed when the next session opens, and its alert is normally dropped as stale.
My VWAP differs from another platform's	The VWAP resets on the chart's Trading Hours template and is weighted by the chart's volume. Compare on the same template and feed, or set **VWAP Session Anchor** to `UtcMidnight` or `CustomHourUtc`.
Values differ from another platform on the same symbol	Bars differ by feed and session template; compare on identical bars (see the chapter on how the port was verified).
Arrows, stars or ticks show as boxes	The system fonts lack the glyphs. Set **Label Glyphs** to `Ascii`.
The green or red circle shows as a box or in one colour	Set **Emoji Rendering** to `Drawn` (the default): the indicator paints the coloured disc itself.
Dashboard Background does nothing	The panel's rows have fixed colours. Switch on **Apply Dashboard Background** (07 Display) to make it paint the rows.
Changing a plot colour in the Plots section does nothing	The three drawn plots take their colours from **Bullish Color** and **Bearish Color**.
The white entry line or tag is hard to see	They are white by design and read on a dark chart background. Use a dark chart, or read the entry from the dashboard.
Price tags sit inside the chart instead of beyond the last bar	**Clamp Right-Edge Labels** keeps them readable when they would fall past the right edge. Turn it off and add room with chart Properties > Right side margin to see them past the last bar.
No alerts arrive	Check the event's own switch in **09 Alert Delivery**. Alerts fire only on live bars, when the bar closes, never for the history loaded when the indicator is added. E-mail needs the Mail share service under Tools > Options > Share and an address in **E-mail To**.
Webhook	This edition has none. **Webhook JSON Format** changes the alert text only.
Text is tiny or huge	Sizes follow the Windows display scaling and **Dashboard Size**.
An error line names Sniper Ashfield Pro in the Log tab	Set **10 NinjaTrader > Debug Mode** on, reproduce it, and send `Documents\NinjaTrader 8\sap_nt_debug.log` with the chart interval, instrument and NinjaTrader version.
Two dashboards on one chart	Two instances are configured (Ctrl+I, Configured list). Remove one.

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How this edition was verified

The verification has two stages, which measure different things and are reported separately.

Stage 1: the engine

The platform-free engine that ships here is the same code as the cTrader edition's engine apart from its namespace line and one declared correction to the decimals printed for a tick that is not a power of ten, which changes text only. That engine was replayed bar by bar there:

CHECK	SCOPE	COMPARISONS	MISMATCHES
Calculated values	EURUSD M5, 21,360 bars, 4 sets of columns and 18 input sweeps	10,467,676	0
A second symbol	XAUUSD M5, 20,348 bars, the same 4 sets of columns	1,322,626	0
Colours, plotted values and the 13 alert conditions, per bar	25 runs	11,151,546	0
Drawn objects: every label, line and table cell	3 runs	9,919 fields	0

The one declared difference in the drawn objects is the dashboard header's middle cell, which ships empty.

Stage 2: NinjaTrader host vs the engine on identical NinjaTrader bars (2 November 2026)

With **Dump Bars + Outputs CSV** on, the indicator writes the bars it saw (time, open, high, low, close, volume) together with the engine outputs as the host received them: the averages and oscillators, the crossings, the scores, the signals, the trade state and its counters, the alert crossings, the per-bar colours and the counts of drawn objects. It also writes the session starts it used. The same bars are replayed through a build of the cTrader edition's engine outside NinjaTrader, with no host in between, and every column is compared.

RUN	BARS	SERIES	CELLS	MISMATCHES
MNQ 1 Minute, historical load	4,923	62	305,226	0

Live run, 2 Nov 2026: MNQ 1 Minute with Calculate set to OnEachTick, across the switch from history to live bars, with about 20 bars closing live: 4,169 bars, 62 series, 258,478 cells, 0 mismatches, 0 bar-identity mismatches.

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Licensing

License model

The product is distributed as a compiled NinjaScript Add-On and licensed through NinjaTrader's user-based Vendor Licensing (NinjaTrader 8.1.5.0 or later). A licence is tied to the customer's NinjaTrader account login, not to a machine: the same login works on every installation of NinjaTrader Desktop the customer uses, and no Machine ID has to be sent to the vendor. Licences are created in the NinjaTrader Ecosystem Vendor Dashboard against the customer's NinjaTrader account email address, with a licence type and an expiry date.

The indicator carries the `VendorLicense(productId)` call in its constructor, with the Product ID of its add-on in the Vendor Dashboard. NinjaTrader verifies the licence whenever the indicator is used.

No free trial

The product is sold as a paid licence only; no free trial is offered. A licence is issued to the buyer's NinjaTrader account email after payment, normally within a few hours.

Activation and transfer

Nothing to activate: log in to NinjaTrader with the licensed account. A new PC needs no transfer. NinjaTrader allows two simultaneous market-data sessions per account, which is what prevents a licence from being shared.

Behavior without a valid licence

NinjaTrader shows its own licence notice (invalid or expired) and stops calling the indicator's calculation and plot methods: the indicator draws nothing and raises no alerts, while its settings still load. It never places orders (it has no order code) and exposes no proprietary data. A licensing-server outage is handled by NinjaTrader's verification (it retries against a secondary server) and must never crash the chart.

Licensing is a practical access-control layer, not a guarantee against copying.

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Support

Questions go through the contact page at https://kestutisbalciunas.com/contact/ with the NinjaTrader version, the instrument and the chart interval. For an error, switch **10 NinjaTrader > Debug Mode** on, reproduce it once and attach `sap_nt_debug.log` from the `Documents/NinjaTrader 8` folder; switch Debug Mode off afterwards.

The product page, with the documentation and the change log, is https://kestutisbalciunas.com/ninjatrader/sniper-ashfield-pro/. Updates and refunds follow the terms on that page.

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Risk disclosure

Trading involves substantial risk. Past, simulated, and backtested performance is not necessarily indicative of future results.

Futures, foreign currency and options trading contains substantial risk and is not for every investor. An investor could potentially lose all or more than the initial investment. Risk capital is money that can be lost without jeopardizing one's financial security or lifestyle. Only risk capital should be used for trading and only those with sufficient risk capital should consider trading.

Sniper Ashfield Pro is a technical analysis tool. It marks EMA crosses that meet a confluence score and draws levels computed from historical bars; it does not place, modify or close orders and it gives no trade advice. The stars, the scores and the market bias describe how the indicator's rules read the bars; they are not probabilities and not forecasts. The PERFORMANCE row is a tally of what the drawn plan would have met on the loaded bars, without spread, commission, slippage or position size, in which a stop after TP1 counts as a win and a replaced trade is not counted: it is not a backtest and not a record of trading results. Nothing in the software or its documentation is a promise of returns, win rates or funded-account success.

NinjaTrader is a registered trademark of NinjaTrader Group, LLC. No NinjaTrader company has any affiliation with the owner, developer, or provider of the products or services described herein, or any interest, ownership or otherwise, in any such product or service, or endorses, recommends or approves any such product or service.