



NINJATRADER 8 INDICATOR · NINJAScript, C#

Installation and Quick Start

How to import the Add-On into NinjaTrader 8, add the indicator to a chart, and read what it draws.

PRODUCT	Algo Shadow Matrix for NinjaTrader 8
VERSION	1.0.2
DATE	18 September 2026
NINJATRADER	8.1.x Desktop, tested on 8.1.8.2
PACKAGE	AlgoShadowMatrix.zip , compiled NinjaScript Add-On
SHA - 256	bea280794bdd8491390a2cc3c2762495b21c291ab8ab9084b2513f3d05466d11
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PRODUCT PAGE	https://kestutisbalciunas.com/ninjatrade/algo-shadow-matrix/

Trading involves substantial risk. Futures, foreign currency and options trading contains substantial risk and is not for every investor. Past, simulated and backtested performance is not necessarily indicative of future results.

Installation

Requirements

- NinjaTrader 8.1.x Desktop for Windows (tested on 8.1.8.2). Not for NinjaTrader 8.0 or NinjaTrader Web.
- Any data connection that delivers bars for the chart (the indicator needs no Order Flow+ features, no depth, no tick history). Volume is used when the feed supplies it.

Import the Add-On package

1. Control Center > Tools > Import > NinjaScript Add-On.
2. Select `AlgoShadowMatrix.zip` and confirm. NinjaTrader compiles the assembly and reports "Import 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 (any instrument, a 1 to 60 minute interval is a good first look), press Ctrl+I.
2. In the Available list find **Algo Shadow Matrix**, click add, click OK.
3. The chart shows the Supertrend line, BUY / SELL pills, the ENTRY / SL / TP set of the last signal, the dashboard in the top-right corner and the watermark at the bottom. The dashboard's Preset row reads `Ready` once 50 bars have loaded (longer lookback windows extend the warm-up).

Uninstall / update

- Remove: Control Center > Tools > Remove NinjaScript Assembly > Algo Shadow Matrix.
- 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.

Quick start

First chart

1. Add **Algo Shadow Matrix** to a chart (Ctrl+I). Leave every setting at its default.
2. Wait for the dashboard's Preset row to read `Ready` (50 bars with the defaults).
3. Leave **Preset** on `Auto`: it resolves `Scalping` on charts up to 5 minutes, `Default` up to 240 minutes, `Swing` above. `Crypto 24/7` and `Custom` are picked by hand.

Reading the chart

- **Supertrend line:** green while bullish, red while bearish. With **Color Line by TQI** on, the line is bright when trend quality is high and fades as it drops.
- **BUY / SELL pill:** a flip confirmed on bar close, with its score out of 102 (six factors: momentum, efficiency, volume, RSI depth, structure, break depth). Pills never repaint.
- **ENTRY / SL / TP1 / TP2 / TP3:** drawn on every signal, extended to the right while the trade is open. The stop is the last pivot minus (plus) $SL\ Buffer \times ATR$ and at least that far from the entry; the targets sit at 1R, 2R and 3R by default. A reached target turns cyan with a check mark. The set stays until the next signal.
- **Trend background** (off by default): tints the chart by trend direction.

The dashboard

Three columns, position and size from **08 Dashboard**. Rows and colours reproduce the original table cell for cell.

ROW	COLUMN 2	COLUMN 3
ALGO SHADOW MATRIX	by KESTUTIS BALCIUNAS	instrument and period
MARKET CONTEXT		
Trend Regime	Bullish / Bearish	Supertrend
Preset	resolved preset	Ready or the bars still needed
Regime / Vol	Trending (ER at or above 0.50), Mixed (0.25 to 0.50), Choppy	Low Vol (ATR ratio under 0.7), Norm Vol, High Vol (1.3 and above)
TQI ENGINE		
TQI Score	0 to 1	Q.Str effective quality strength
ER / RSI / VolZ	efficiency ratio and RSI	volume z-score
Eff / Vol, Struct / Mom	the four TQI factors (with Show TQI Breakdown)	
ACTIVE SIGNAL		
Direction	LONG / SHORT / WAITING	bars since the signal
Entry, Stop Loss	prices	distance in percent
TP1 / TP2 / TP3	prices, check mark after a hit	
PERFORMANCE	Sample	closed signals in memory / 100
W/L	rolling average R	win and loss streaks (current / max)
Window DD	worst run in the calibration window	all-time drawdown
Regime Edge	average R of the current efficiency x volatility cell with its count	

The ledger is rebuilt from the chart's history on every load, exactly as the original does; it is a description of the loaded bars, not a forecast.

Alerts

Evaluated once per closed bar and only for bars that close after the indicator went live (never during the history pass). Each alert fires once per bar and kind and appears in the Alerts Log with an optional sound (Sound File inside NinjaTrader's sounds folder) and an optional email through NinjaTrader's Mail share service.

TOGGLE	FIRES WHEN
Alert: BUY Signal / SELL Signal	a confirmed signal (body: price, TQI, score, SL, TP1, TP2, TP3; JSON with Webhook JSON Format)
Alert: Any Signal	either
Alert: Bullish / Bearish Trend Shift	the Supertrend flips, before the warm-up gate

Using the values in a strategy or the Market Analyzer

The indicator exposes three series: `SuperTrend` (the line), `Signal` (+1 BUY bar, -1 SELL bar, 0 otherwise) and `Trend` (+1 bullish, -1 bearish). Example: `if (AlgoShadowMatrix(...).Signal[0] > 0) .`

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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.

Algo Shadow Matrix is a technical analysis tool. It draws levels and signals computed from historical bars; it does not place, modify or close orders and it gives no trade advice. The dashboard's win rate, average R and drawdown describe the signals inside the bars currently loaded on the chart and are not a forecast. Nothing in the software or its documentation is a promise of returns, win rates or funded-account success.

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