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NINJATRADER 8 INDICATOR · NINJASCRIPT, C#

Installation and Quick Start

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

PRODUCT	Supply Demand Quadra Zones for NinjaTrader 8
VERSION	1.0.0
DATE	November 2026
NINJATRADER	8.1.x Desktop, tested on 8.1.9.0
PACKAGE	`SupplyDemandQuadraZones.zip`, compiled NinjaScript Add-On
SHA-256	`9ebf8147b94716a322d5357007dfa640526713bdcde98f063e39e92d8a001e0d`
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PRODUCT PAGE	https://kestutisbalciunas.com/ninjatrader/supply-demand-quadra-zones/

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.

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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.
- A data connection that delivers bars for the chart. The signals and trade levels read the chart's open, high, low and close and nothing else. No Order Flow+ features, no depth, no tick history.
- For the panels, the connection also has to deliver the bars they read: higher timeframes of the chart's instrument for the dashboard, and the screener's instruments for the screener. A row your connection cannot serve reads **No data**, and the rest of the indicator carries on. See the screener section of the quick start.

Import the Add-On package

1. Control Center > Tools > Import > NinjaScript Add-On.
2. Select `SupplyDemandQuadraZones.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 **Supply Demand Quadra Zones**, click add, click OK. The first load takes longer than a single-series indicator: with the defaults it also loads 14 more data series.
3. The chart shows eight ribbon lines, blue or grey, and a purple Extra EMA once there are 200 bars. The screener sits top right and the trend dashboard bottom right. Where EMA 2 last crossed EMA 8 there is a BUY plate under the bar or a SELL plate over it, with an entry line, a stop line, four target lines, a price tag on each, and a green and a red zone.
4. The NinjaScript Output window prints one line with the version and the number of secondary series, 14 with the defaults. A lower number means a screener name did not resolve; an earlier line in that window names which one.

Uninstall / update

- Remove: Control Center > Tools > Remove NinjaScript Assembly > Supply Demand Quadra Zones.
- 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 **Supply Demand Quadra Zones** to a chart (Ctrl+I). Leave every setting at its default.
2. Load enough history. EMA 8 needs 34 bars before it exists and the Extra EMA needs 200. The trade on screen comes from the bars before it, and the chart's bars come from the Data Series setting **Days to load**.
3. With the default `Calculate.OnBarClose` everything is decided on closed bars.

Reading the chart

- **Ribbon**: eight EMAs, in shades of blue while EMA 8 is below EMA 2 and grey otherwise. The purple **Extra EMA** is a reference line and feeds no signal.
- **Plates**: a green **BUY** plate under the bar's low, a red **SELL** plate over the bar's high. One plate is on the chart at a time.
- **Levels**: a yellow entry line, a green line per target and a red stop line, each with a price tag: `ENTRY 29307.25`, `TP 1 : 29334.25`, `SL : 29280.25`. The price text keeps every decimal of the instrument's tick.
- **Zones**: a green zone from the entry to the fourth target and a red zone from the entry to the stop. With fewer than four targets see **Number of Take Profits** below.
- **How far they run**: while the trade is open the lines and zones reach ten bars past the current bar. When it ends they stop ten bars past the bar that ended it. A tag that would fall past the right edge is held inside the chart, and it steps left of a panel rather than hiding under it. A trade entirely to the right of a scrolled-back view shows no tag.
- **The levels are a plan, not a tracker**: the lines stop growing when a trade ends, but nothing marks which target was reached or whether the stop was, and outcomes are not counted.

Signal rules in one paragraph

A **BUY** prints on a closed bar where EMA 2 is above EMA 8 and was at or below it on the bar before. A **SELL** is the same with the two swapped. There is no filter, score or confirmation. The entry is the signal bar's close. The stop sits **ATR Multiplier for SL** ATRs below the entry for a BUY and above it for a SELL. Target *n* sits on the other side at the stop distance times **TP Multiplier (relative to SL)** times *n*, so the defaults give a ladder of 1R, 2R, 3R and 4R, where R is the stop distance. A trade ends when a bar's low reaches the stop of a BUY (its high, for a SELL) or when every enabled target has been reached, tested from the signal bar itself. A new signal replaces the current trade and all its objects, whether or not it has ended.

The screener

The screener reads nine instruments on the chart's own period and classes each one by the same EMA rule, using your **EMA 2 Length** and **EMA 8 Length**. Each row is read as of the chart's last closed bar, so the panel changes once per chart bar. Rows do not depend on the chart's instrument, and they raise no alert.

CELL	MEANING
Long (green)	EMA 2 crossed above EMA 8 on that instrument, at the chart's last closed bar. It shows for that one bar
Short (red)	EMA 8 crossed above EMA 2, at the chart's last closed bar. It shows for that one bar
Bullish (yellow)	no fresh crossing, EMA 2 above EMA 8
Bearish (orange)	no fresh crossing, EMA 2 not above EMA 8
No data (grey)	no reading is available, so none is shown

The default instruments are nine futures roots: `ES`, `NQ`, `YM` and `RTY` (US equity indexes), `CL` (crude oil), `GC` (gold), and `6E`, `6B` and `6J` (currencies). Each is an extra data series your connection has to serve, so a subscription that does not cover an exchange leaves those rows on No data.

A row reads No data when:

- no instrument goes by that name. The NinjaScript Output window prints `Supply Demand Quadra Zones: no instrument named 'XYZ', that screener row reads No data.`
- the instrument exists but your connection delivers no bars for it;
- too few of its bars have closed by the chart's last bar to start EMA 8;
- the symbol box is blank. To show fewer rows use **Max Symbols to Display** instead.

No data is never a reading. It does not count as Bearish, and the chart's signals and levels do not depend on it.

To type your own, open the indicator's settings, go to **05 Screener Symbols**, and press OK. The chart reloads.

YOU TYPE	WHAT THE ROW READS
`ES`	a future root: the contract NinjaTrader's rollover table calls current when the chart loads
`ES 12-26`	exactly that contract, and it stays there after it expires
`AAPL`	the instrument with that exact name
`$EURUSD` or `EURUSD`	the spot pair, which NinjaTrader names with a leading `$`

A bare name that is also a future root always means the future, even where a stock or an option has the same name. The row shows the text you typed, not the contract it resolved to.

Max Symbols to Display shows and loads only the first rows. **Show Screener** off loads none of them.

The trend dashboard

Six rows for the chart's own instrument. Each timeframe row is **Bullish** (green) when EMA 2 is above EMA 8 on that timeframe, **Bearish** (red) otherwise, and **No data** (grey) when no reading is available. They read 5 minutes, 15 minutes, 30 minutes, 1 hour and Daily, on bars that have finished by the chart's last closed bar, so a row moves only when a bar of its own timeframe has finished.

Status is a majority vote: Bullish when at least two of the three **Combined Trend Timeframe** choices are bullish. It reads No data when one of the three has none. The selectors change the vote only; the five rows below always read the same five timeframes.

The `M240` choice depends on **Compatibility**. On `Reference` that leg is always false: it does not evaluate, and it counts against Bullish in the vote. On `Corrected` it reads a real 240-minute series, which is loaded only then.

The Daily row reads the daily bars your connection delivers. If your daily history has a gap, the row stays on the last finished daily bar it has. **Show Trend Analysis Dashboard** off loads none of these series.

Settings to try first

SETTING	WHAT IT CHANGES
EMA 2 Length, **EMA 8 Length**	The two lines every signal, screener row and dashboard row compares. EMA 1 and EMA 3 to 7 are visual only.
ATR Multiplier for SL	The stop distance, and through it every target.
TP Multiplier (relative to SL)	The target spacing as a multiple of the stop distance.
Number of Take Profits	1 to 4 targets. A trade ends at the stop or when every enabled target has been reached. On `Reference` the green zone is drawn only with 4.
Compatibility	`Corrected` draws the green zone to the highest enabled target at any count, and makes the `M240` leg evaluate.
Show EMA Ribbon	The ribbon's colours only. The EMAs, the signals and the panels are computed either way, and the Extra EMA ignores it.
Show TP/SL Lines and Boxes	Not only a display switch. Off, it hides the lines, tags and zones, and the stop and targets are never tested, so a trade stays open until the next signal replaces it. The plates stay.

The ribbon's bullish colours are in the Plots section of the settings. The trade and panel colours are fixed, except the panels' border.

Alerts

Three events, each behind its own switch in **08 Alerts**, under the **Enable Alerts** master switch. They are evaluated on committed bars and only in realtime, never during the history pass, and never for a bar more than two bar periods plus five seconds old.

SWITCH	DEFAULT	FIRES WHEN	TITLE
Alert: BUY Signal	on	a BUY on a closed bar	`Long EMA Cross`
Alert: SELL Signal	on	a SELL on a closed bar	`Short EMA Cross`
Alert: Any Signal	off	either of them	`Supply Demand Quadra Zones`

With **Alert: Any Signal** on beside the other two, one signal raises two alerts. The message carries the instrument, the chart interval, the entry, the stop and every enabled target:

`BUY MNQ 12-26 5 Minute @ 29307.25 | SL 29280.25 | TP1 29334.25 TP2 29361.25 TP3 29388.25 TP4 29415.25`

A target or a stop being reached has no alert, and neither has a panel. **Show TP/SL Lines and Boxes** off does not silence a signal alert.

CHANNEL	DEFAULT	WHAT ARRIVES
Alerts Log	always	one row: `Long EMA Cross: BUY MNQ 12-26 5 Minute @ ...`
NinjaScript Output	always	one line: `[Long EMA Cross] BUY MNQ 12-26 5 Minute @ ...`
Play Sound	on	the file named in **Sound File**: a name inside NinjaTrader's sounds folder or a full path; blank plays `Alert2.wav`
Send Email	off	an e-mail to **Email To**, through NinjaTrader's Mail share service (Tools > Options > Share). The subject is the title, the body is the message

A webhook is not part of this edition: the indicator makes no network call of its own.

The final bar of a session

NinjaTrader closes a bar when the next bar's first tick arrives, so on a closed market a session's last bar is committed only at the first tick after the reopen. Its alert is raised only if the reopen comes within two bar periods plus five seconds of that bar's time; otherwise the signal prints with no alert. A chart loaded while the market is closed can already show that bar's plate, as a preview.

OnEachTick and OnPriceChange

These modes commit the same closed bars, at the next bar's first tick, and also preview the forming bar. A crossing on the forming bar draws its plate, lines and zones while it holds, and they go if it no longer holds a moment later. Only a closed bar raises an alert, writes a series or moves a panel. If you want nothing on the chart until a bar has closed, stay on the default `OnBarClose`.

Using the values in a strategy or the Market Analyzer

Seventeen series are exposed: `Ema1` to `Ema8` and `EmaExtra`, and the hidden `Signal` (1, -1 or 0 on the closed bar), `TradeDirection` (1, -1 or 0), `EntryLevel`, `StopLevel` and `Tp1Level` to `Tp4Level`. Example: `if (SupplyDemandQuadraZones(...).Signal[0] > 0)`. With `OnEachTick` or `OnPriceChange` the bar that just closed is `[1]`. The signals and levels do not read the panels, so switch both panels off in a hosted instance to load no secondary series.

What it does not do

It places no orders and sends nothing over a network of its own. It does not detect supply and demand areas from price structure: the zones are the shaded target and risk areas of the current trade. It draws what the bars show; it does not forecast where price goes next.

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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.

Supply Demand Quadra Zones is a technical analysis tool. It draws an EMA ribbon, crossover signals, trade levels and two panels computed from bar data; it does not place, modify or close orders and it gives no trade advice. The entry, stop and target lines are a plan drawn when a signal prints: the indicator stops extending them when the trade ends and does not report which level was reached. Nothing in the software or its documentation is a promise of returns, win rates or funded-account success.

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