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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, and read what it draws.

PRODUCT	FXB Confluence Engine for NinjaTrader 8
VERSION	1.0.0
DATE	November 2026
NINJATRADER	8.1.x Desktop, tested on 8.1.9.0
PACKAGE	`FxbConfluenceEngine.zip`, compiled NinjaScript Add-On
SHA-256	`3b7dc75f9bc48bac2d970b8924789049845556df3834711cd5fbffb3c96fae94`
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PRODUCT PAGE	https://kestutisbalciunas.com/ninjatrader/fxb-confluence-engine/

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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 minute bars with volume, and daily bars for the pivot levels. No Order Flow+ features, no depth, no tick history.

Import the Add-On package

1. Control Center > Tools > Import > NinjaScript Add-On.
2. Select `FxbConfluenceEngine.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 300 bars (a 5 to 60 minute interval is a good first look), press Ctrl+I.
2. In the Available list find **FXB Confluence Engine**, click add, click OK.
3. The first load takes longer than a single-series indicator, because seven more data series load with it: 1, 5, 15, 30, 60 and 240 minutes and Daily.
4. The chart shows trend-coloured candles, a purple filter line inside a faint band, a blue and an orange EMA, nine pivot lines with price labels, the dashboard in the top-right corner and the multi-timeframe strip at the bottom centre. BUY and SELL markers appear on the bars where a signal passed every gate; on a quiet stretch there can be none.
5. The NinjaScript Output window (New > NinjaScript Output) prints one line with the version and the number of bars on each series.

Uninstall / update

- Remove: Control Center > Tools > Remove NinjaScript Assembly > FXB Confluence Engine.
- 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 **FXB Confluence Engine** to a chart (Ctrl+I). Leave every setting at its default: VWAP, candle pattern and EMA distance confirmation, the signal labels and the background tint are off.
2. Load at least 300 bars of the chart's interval. The slow EMA needs 200 bars before a signal can pass the EMA gate, and the volatility rank needs 60. A 5-day chart of 60-minute bars has too few: raise the days to load in the Data Series dialog.
3. A signal is decided when its bar closes. It appears at the first tick of the next bar.

Reading the chart

- **Filter line (purple)**: the range filter. It moves only when the price gets further from it than its range, ATR x multiplier x sensitivity / 8.
- **Band**: four layers either side of the line, out to one ATR times the multiplier. Green above the line in an up trend, red below it in a down trend, faint purple on the other side.
- **Bars**: painted with the filter's trend. Switch **Paint Bars** off for the chart's own candle colours.
- **EMA lines**: the fast EMA (blue, 60) and the slow EMA (orange, 200).
- **BUY / SELL**: a filter turn on a closed bar that passed every gate. The shape sits next to the bar and the word outside it. Markers never repaint.
- **Pivot levels**: the pivot (solid), R1, R2, S1, S2 (dashed) and R3, R4, S3, S4 (dotted), from the previous period. A resistance with the close above it and a support with the close below it change colour. A label stays inside the chart while the last bar is in view, and it steps aside when the dashboard would cover it.

Reading the dashboard

BLOCK	WHAT IT SAYS
TREND, HTF	the confirmed trend on this chart, and the higher-timeframe bias
PRICE, ATR	the last price, and the ATR as a percentage of it
SIGNAL QUALITY	the score as score/maximum and in a 14-cell bar. HIGH from 80 %, MED from 57 %, LOW from 43 %, WEAK below
SCORE BREAKDOWN	EMA + Mom /4, MTF /4, Sensitivity /3, HTF Bias /1, Volatility /2, RSI /1, Volume /1, VWAP /1, Candle /1, and a Chop Pen. of 0 to -2. A layer that is off reads `off` and leaves the maximum, which is 16 at the defaults
CONFIRMATIONS	the state of each gate. If Chop Gate reads BLOCKED, the ADX and Chop Idx rows name the filter that holds it, and Cooldown shows the bars left
MARKET DATA	both EMAs with a slope arrow, the nearest pivot support and resistance, VWAP, and the last closed day's range as a percentage of its average
SESSION	London, New York, LDN+NY, Asian or Off-Hours, and the ATR's rank over 60 bars
LAST SIGNAL	direction, bars ago, the score it had

BLOCK	WHAT IT SAYS
TRADE STATUS	whether the last signal still agrees with the confirmed trend: ALIGNED or REVERSED. The line below it reads Trend supports LONG or SHORT while aligned, and Trend now BULLISH or BEARISH when reversed

The strip at the bottom has two blocks. **MTF** shows the trend on 1, 5, 15, 60 and 240 minutes, each from its last closed bar. The dimmed 1-minute cell is for information and does not enter the score. These slots are fixed, so on a 4-hour chart they are all lower timeframes; HTF Bias is the row that looks up. **SENS** shows the same filter at sensitivity 3, 5, your setting, 12 and 16. The cell between the blocks holds the MTF and Sensitivity scores. While a bar is forming, the 12 and 16 cells follow the live price and the score uses their values on the last closed bar, so they can disagree for that moment.

Settings to try first

SETTING	WHAT IT CHANGES
Sensitivity	The filter's range: ATR x multiplier x sensitivity / 8. Lower turns more often, higher less often.
HTF Timeframe	The timeframe of the HTF Bias layer.
Minimum Signal Strength	Signals scoring below it are suppressed.
Only show signals when EMA aligned	A gate on the signal: both EMAs, the price and the fast EMA's slope must agree with it.
Pivot Timeframe / Pivot Formula	Daily, Weekly, Monthly or an intraday period; Classic, Fibonacci or Camarilla.
Signal Marker Style	Diamond, Triangle, Arrow or Text Only.
Chart Background	The Light palette for a light chart.

Alerts

Off by default. Switch **11 Alerts > Enable Alerts** on, then choose the families: signals, strong signals, EMA-confirmed signals, trend change, chop gate, HTF bias, RSI extremes, volume spike, score threshold and trade invalidated. Only **Alert: Signals** is on at first. Every alert shows in the Alerts Log window and in the Output window, with sound and e-mail if you switch them on. They fire on closed bars in realtime, once per kind and bar, and never for a bar older than two bar periods. There is no webhook.

What it does not do

It places no orders. It describes the bars on the chart; it does not forecast where price goes next, and the TRADE STATUS lines are descriptions of the indicator's state, not trade advice.

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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.

FXB Confluence Engine is a technical analysis tool. It computes a trend, a score and levels from historical bars and raises alerts; it does not place, modify or close orders and it gives no trade advice. The score, the HIGH, MED, LOW and WEAK bands and the TRADE STATUS lines describe the state of the indicator on the bars of the chart; they are descriptions, not probabilities, forecasts or instructions. Nothing in the software or its documentation is a promise of returns, win rates or funded-account success.

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