



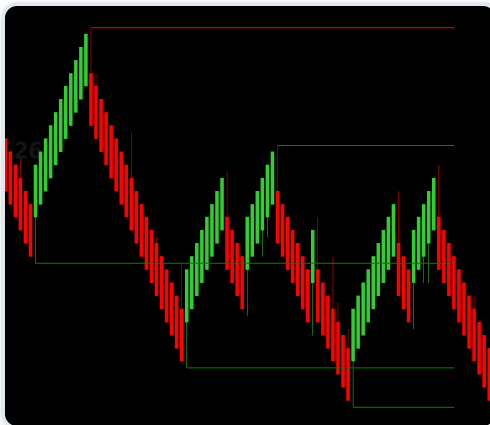
# Support & Resistance Indicator

Swing-Based Support & Resistance for NinjaTrader 8\*

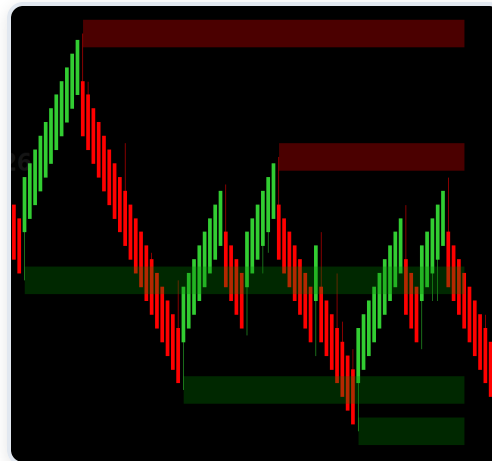
Version 1.0.0.0 | Tradebrary

## Overview

The **Support & Resistance** indicator automatically finds the most recent significant price swings and marks them as support and resistance. Swing lows become **support** (green) and swing highs become **resistance** (red). You control how significant a swing must be, how many levels to show, and whether they're drawn as clean **lines** or shaded **zones**.



Lines mode



Zones mode

**Higher-timeframe version:** the companion **TbSupportResistanceSecTF** works exactly the same way but lets you compute the levels from a *secondary (higher) timeframe* you specify — e.g. plot 30-minute support/resistance on a 5-minute chart.

## Installation

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1. Open NinjaTrader 8
2. Go to **Tools** → **Import** → **NinjaScript Add-On...**
3. Browse to and select the `TbSupportResistance.zip` file
4. Click **OK** to import — the indicator compiles automatically
5. Add to a chart: right-click chart → **Indicators...** → **TbSupportResistance**

## How It Works

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The indicator scans recent price action for **swing pivots**:

- **Support** — a *swing low*: a bar whose low is lower than the bars on either side of it.
- **Resistance** — a *swing high*: a bar whose high is higher than the bars on either side of it.

Each detected level is drawn from its pivot bar and extended to the right edge of the chart, so you can see how price has respected it. Levels are recalculated as new bars form, always reflecting the most recent significant swings.

### Swing Strength

**Swing Strength** sets how many bars must be higher (for a swing high) or lower (for a swing low) on *each side* of the pivot. Larger values find fewer, more significant levels; smaller values find more, shorter-term levels.

### How Many Levels

**Max Levels** caps how many support and how many resistance levels are shown at once, keeping the chart clean by focusing on the nearest/most recent ones.

# Display Modes

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Switch between the two looks with the **Display Mode** setting:

## Lines

A single horizontal line at each level — precise and uncluttered. Control its **Line Thickness** and **Line Style** (solid, dashed, etc.).

## Zones

A shaded band centered on each level, extending a set number of ticks above and below it. Zones make areas of interest easier to see at a glance. Control the band's thickness with **Zone Height (Ticks)** and its transparency with **Zone Opacity %**.

## Settings & Parameters



The screenshot shows a settings window with two main sections: 'Display' and 'Parameters'. The 'Display' section includes 'Support Color' (set to #FF008000), 'Resistance Color' (set to #FFFF0000), 'Line Thickness' (set to 2), 'Line Style' (set to Solid), 'Display Mode' (set to Zones), 'Zone Opacity %' (set to 30), and 'Zone Height (Ticks)' (set to 2). The 'Parameters' section includes 'Swing Strength' (set to 20), 'Max Levels' (set to 4), and 'ATR Period' (set to 14).

Section	Parameter	Value
Display	Support Color	#FF008000
	Resistance Color	#FFFF0000
	Line Thickness	2
	Line Style	Solid
	Display Mode	Zones
	Zone Opacity %	30
	Zone Height (Ticks)	2
Parameters	Swing Strength	20
	Max Levels	4
	ATR Period	14

The indicator settings (shown with example custom values)

### Parameters

Parameter	Default	Description
<b>Swing Strength</b>	5	Bars required on each side of a pivot to confirm a swing (1–20). Higher = fewer, stronger levels.
<b>Max Levels</b>	3	Maximum number of support and of resistance levels to display (1–10).
<b>ATR Period</b>	14	ATR period used by the built-in proximity signal (see Advanced).

### Display

Parameter	Default	Description
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<b>Support Color</b>	Green	Color of support lines/zones.
<b>Resistance Color</b>	Red	Color of resistance lines/zones.
<b>Line Thickness</b>	2	Line width in Lines mode (1–5).
<b>Line Style</b>	Solid	Line pattern in Lines mode (solid, dash, dot, etc.).
<b>Display Mode</b>	Lines	Draw levels as <b>Lines</b> or shaded <b>Zones</b> .
<b>Zone Opacity %</b>	20	Transparency of zones in Zones mode (1–100).
<b>Zone Height (Ticks)</b>	4	How many ticks each zone extends above and below the level (1–50).

**Advanced (for strategy developers):** the indicator exposes a `Condition` series that flags when price comes within about half an ATR of the nearest level — `1` near support (bullish), `-1` near resistance (bearish), `0` otherwise. You can reference it from your own NinjaScript strategies.

## Tips

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**Tip 1: Match Swing Strength to your style.** Day-trading a fast chart? Try a lower Swing Strength for more responsive levels. Swing trading? Raise it so only major pivots are marked.

**Tip 2: Use Zones for areas, Lines for precision.** Zones highlight a reaction *area* (great for entries/stops with some wiggle room); Lines give an exact price to watch.

**Tip 3: Combine timeframes.** Run this on your trading chart and add **TbSupportResistanceSecTF** for a higher timeframe, so you can see both local and major levels at once.

## Troubleshooting

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Issue	Solution
No levels appear	Make sure enough bars are loaded (at least a couple of times the Swing Strength). Very high Swing Strength on a short chart may find no qualifying swings.
Too many / too few levels	Adjust <b>Max Levels</b> , and raise/lower <b>Swing Strength</b> to change how selective the detection is.
Zones look too faint or too solid	Adjust <b>Zone Opacity %</b> ; raise <b>Zone Height (Ticks)</b> to make the bands taller.
Levels seem to lag	By design the indicator confirms swings using bars on both sides, so the newest pivots appear only after enough bars form to the right of them.
Nothing draws at all	Confirm the indicator is on a price chart and that your license key is valid (see below).

## License Activation

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This indicator requires a valid license key to operate. Each license is tied to your computer's unique Machine ID. Activation takes just a few minutes:

### How to Activate

Your purchase unlocks the Tradebrary indicators included in your order. To activate:

1. In the NinjaTrader **Control Center**, go to **Help** → **About** and copy your **Machine ID**.
2. Go to <https://tradebrary.com/activate>.
3. Paste in your **Whop license key** and your **Machine ID**, then click **Get My License Keys**.
4. The page returns **one key per indicator**. Copy the Support & Resistance key.
5. In the indicator settings, paste it into the **LicenseKey** field and click **OK**. The indicator now functions normally.

*(Your Machine ID is also shown in the indicator's own **2. License** section — it's the same value as Help → About.)*

**Important:** Each license key is tied to your computer's Machine ID, and your purchase covers up to 2 computers. If you reinstall NinjaTrader or switch computers, simply re-activate at <https://tradebrary.com/activate>. If you have reached your 2-device limit, contact [support@tradebrary.com](mailto:support@tradebrary.com) to free up a slot.

## Support

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For questions, issues, or feature requests:

- Email: [support@tradebrary.com](mailto:support@tradebrary.com)
- Website: [tradebrary.com](https://tradebrary.com)



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