

# DBTrader Relative Volume Indicators for TradeStation

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## Product Overview

The DBTrader Relative Volume Indicators for TradeStation are a set of 3 indicators designed to help traders identify abnormally high or low intraday volume in futures and stocks. They are designed to alert traders to possible trading opportunities when volume is relatively more active or less active during the day. The indicators can be plotted on any intraday minute interval and all the alerts and highlighting can be customized to your needs.

The 3 indicators are:

1. DBTrader Relative Volume (for Chart Analysis)
2. DBTrader Relative Volume Radar (for RadarScreen)
3. DBTrader Relative Volume Scan (for Scanner)

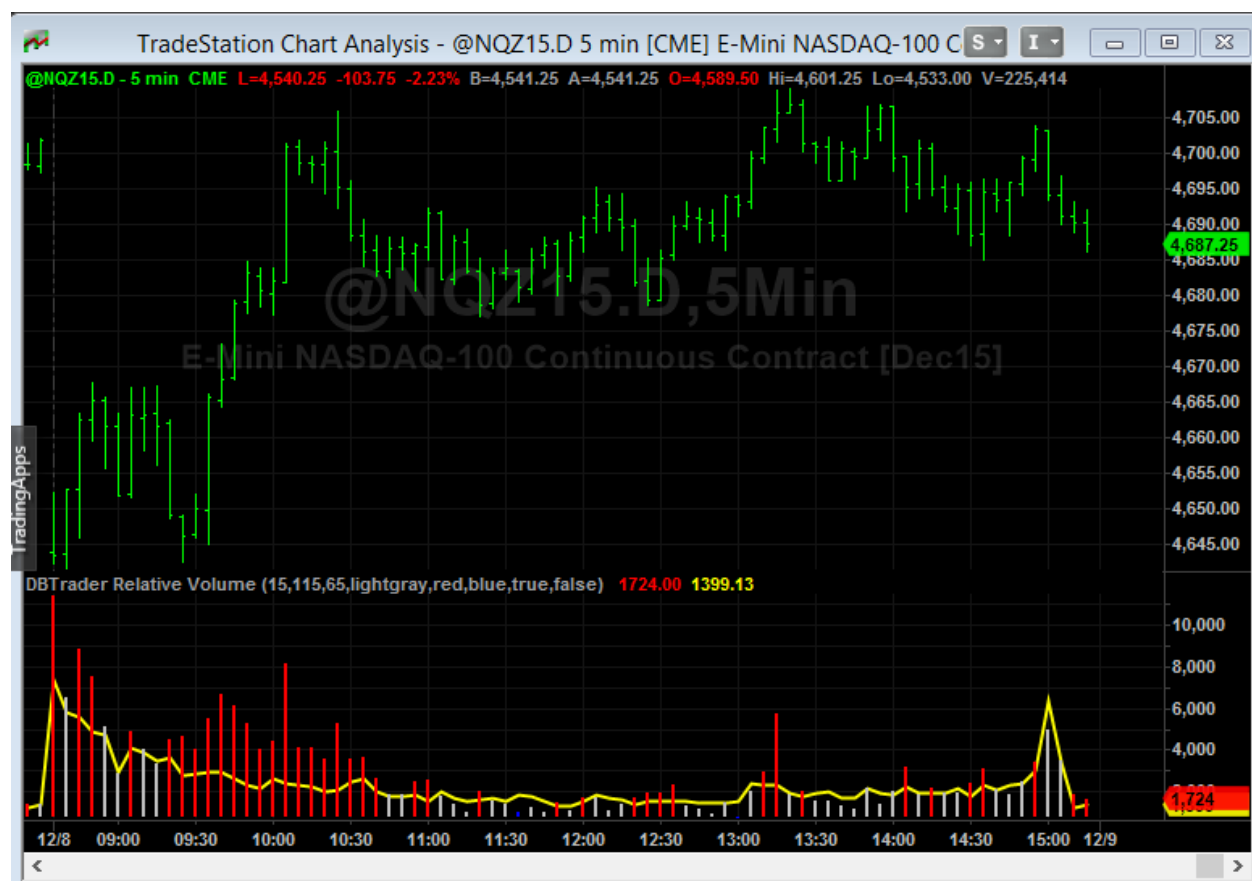
Compatible with TradeStation 9.1 (Update 29) and TradeStation 9.5 and above.

## Relative Volume (for Chart Analysis)

The Relative Volume indicator displays volume bars and an average volume line. The average volume line is determined by analyzing relative volume at each period of the day for a number of days back (default 15 days).

When a volume bar exceeds a percentage (default 115%) of the average volume the bar color will change to the high volume color (default red). Volume bars that drop below a low volume percentage threshold (default 65%) are displayed in the low volume color (default blue).

### Example Chart



The indicator has the following inputs:

Input	Default	Description
Days_Back	15	Enter the number of days used to calculate intraday average volume.
High_Volume_PctTgt	115	Enter the percentage of average volume to trigger high volume color and alert.
Low_Volume_PctTgt	65	Enter the percentage of average volume to trigger low volume color and alert.
Normal_Color	lightgray	Enter the color for volume bars that are not above the threshold for high volume or below the threshold for low volume. (See <a href="#">Colors</a> section for a list of color names).

High_Color	red	Enter the color for volume bars that are above the threshold for high volume.
Low_Color	blue	Enter the color for volume bars that are below the threshold for low volume.
Alert_On_High_Vol	false	Set to true if you would like an alert to be triggered when high relative volume is detected. Note that you must also enable alerts on the Alerts tab.
Alert_On_Low_Vol	true	Set to true if you would like an alert to be triggered when low relative volume is detected.

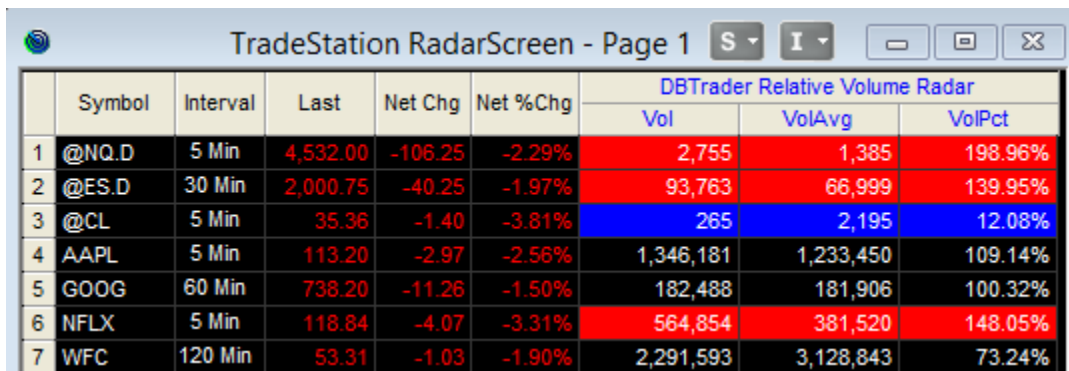
**IMPORTANT:** The indicator uses that data loaded on your chart to calculate volume averages. Your chart must be set to load enough days back for the average to calculate. For example, if the indicator is set to Days Back of 15 you should also set your chart to load more than 15 days back.

## Relative Volume Radar (for RadarScreen)

The Relative Volume Radar indicator has three columns: Volume, Volume Average and Volume Percent. Volume and volume average are calculated in the same way as the Chart Analysis indicator. Volume Percent calculates the current volume as a percentage of the volume average.

The indicator has the same inputs as the Chart Analysis indicator. See previous input table.

### Example RadarScreen



TradeStation RadarScreen - Page 1								
	Symbol	Interval	Last	Net Chg	Net %Chg	DBTrader Relative Volume Radar		
						Vol	VolAvg	VolPct
1	@NQ.D	5 Min	4,532.00	-106.25	-2.29%	2,755	1,385	198.96%
2	@ES.D	30 Min	2,000.75	-40.25	-1.97%	93,763	66,999	139.95%
3	@CL	5 Min	35.36	-1.40	-3.81%	265	2,195	12.08%
4	AAPL	5 Min	113.20	-2.97	-2.56%	1,346,181	1,233,450	109.14%
5	GOOG	60 Min	738.20	-11.26	-1.50%	182,488	181,906	100.32%
6	NFLX	5 Min	118.84	-4.07	-3.31%	564,854	381,520	148.05%
7	WFC	120 Min	53.31	-1.03	-1.90%	2,291,593	3,128,843	73.24%

**IMPORTANT:** The indicator uses the additional data loaded by the RadarScreen to calculate the volume average going back the number of days you specify. For this reason, you must set the RadarScreen to “Load additional data for accumulative calculations.” This setting can be found on the General tab when you format the indicator. The default value for the RadarScreen is set to 4500 bars. This will accommodate at least 15 days back for any symbol on intervals as low as 5-min. You may want to increase or decrease the number of bars depending on what interval and symbol you are interested in. Decreasing the number of bars will reduce the initial load time required.

Example for calculating the bars required:

If a symbol trades for 24 hours there are 1440 minutes in a single day’s trading session. For a 5-min interval you will need  $1440 / 5 = 288$  bars per day.

As a rule of thumb you should set the bars to load at least 1 more day of data than you need.

## Relative Volume Scan (for TradeStation Scanner)

The Relative Volume Scan indicator has three values: Volume, Volume Average and Volume Percent. These are the same values displayed in RadarScreen. There is a single input for days back.

Input	Default	Description
Days_Back	15	Enter the number of days used to calculate intraday average volume.

When you insert the indicator as a scan criterion you can select to search on Volume, Volume Average and/or Volume Percent. Be sure to select the appropriate minute interval and the number of bars of additional data. See the notes on the RadarScreen for a discussion of how to select the appropriate number of bars.

*Example: Selecting Scan Criteria*

**Format Scan**

Name | Symbol Universe | **Scan Criteria** | Schedule | Results | Notification

Select the criteria to use in the scan:

	Field	Operator	Field/Value
<input checked="" type="checkbox"/>	DBTrader Relative Volume Scan	VolPct	> 125
	Input/Setting Name	Value	
	Days_Back	15	
	Interval	30 Minute	
	The MaxBarsBack setting you have	Auto-detect	
	Load additional data	1,000	
	Currency based on	Account	
	Sort key	<none>	
<input type="checkbox"/>	Ignore this scan criterion for symbols that do not have a valid value		
	<Select Criteria>		

Move Up | Move Down

Set as default

OK | Run | Cancel | Help

## Available Colors

Supported color names:

Black	Magenta
White	DarkMagenta
Blue	Cyan
DarkBlue	DarkCyan
Green	Yellow
DarkGreen	DarkBrown
Red	Grey
DarkRed	LightGrey

You may also specify a custom color using the RGB function. See TradeStation Help link below:

[http://help.tradestation.com/09\\_05/eng/tsdevhelp/Subsystems/elword/word/rgb\\_reserved\\_word.htm](http://help.tradestation.com/09_05/eng/tsdevhelp/Subsystems/elword/word/rgb_reserved_word.htm)

## Feedback

Do you have an idea for additional features or changes to make these indicators better? Please don't hesitate to contact me and let me know your thoughts.

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## Disclaimer

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