ValueCharts® TradeStation

ValueCharts® TradeStation indicator suite can be located in the TradeStation Strategy Network under MicroQuantSM products. Free trial subscription periods are available for all our trading tools.

Be sure to check our website for a webinar schedule which can be found at www.valuecharts.com/events. In addition, MicroQuantSM has created a white paper library and a video library to help educate traders and investors about our new and exciting trading tools.

What are ValueCharts®?
ValueCharts® are one of the most exciting new market analysis tools available today, and here's why. The most widely used market analysis tool in the world is the traditional price chart, which displays price in terms of cost. While these charts are very helpful for analyzing the history of price action for a market, they do not communicate any information relating to the value of a symbol.

Traditional Bar Chart above a ValueCharts® Price Window

There are three primary attributes of price: Cost, Momentum, and Value. ValueCharts® were created to display price in terms of Value, or more specifically, Objective Value. When buying or selling any asset or derivative, serious traders must concern themselves with market valuation.

ValueCharts® analyze recent transactional price history for a market and plot price within one of five primary valuation zones, Significantly Overvalued, Moderately Overvalued, Fair Valued, Moderately Undervalued, and Significantly Undervalued.

Objective Value is calculated by applying a proprietary algorithm to historical transactional price activity in order to analyze market psychology relating to valuation for a given symbol.
With ValueCharts®, traders and investors can quickly and easily determine both the current and historical valuation for any exchange traded market or OTC market in the world, including stock markets, FOREX markets, and futures markets. Imagine the power of knowing that a current price level for a stock, for example, is significantly overvalued or significantly undervalued. With ValueCharts® this is now possible. ValueCharts® can be applied to both intraday price charts (1 minute, 5 minute, 60 minute, etc) and end-of-day price charts (daily, weekly, monthly).

Why use ValueCharts®?
There are numerous trading indicators available on the market. However there are very few that could be characterized as game changing investment technology. ValueCharts® is game changing technology.

The goal of every trader is to maximize his or her advantage or edge when trading in the markets. ValueCharts® enables traders to quickly and easily understand the valuation of any market in real-time. By having the ability to define market valuation, ValueCharts® can potentially help traders identify strategic market entry and exit points to reduce their risk of exposure for a trade. Furthermore, ValueCharts® can also help traders identify high risk overvalued price level where traders would be well suited to stand aside. The potential applications of ValueCharts® are endless.

Setting up a ValueCharts® Price Window
Applying a ValueCharts® window to a TradeStation charting screen is similar to applying any indicator to a charting screen, just follow the steps below.

Once installed from the Strategy Network, the indicator is named ‘ValueCharts (R)’ and is available for addition to a chart under Insert Analysis Technique on the Indicator tab.
When starting to apply ValueCharts® be sure to select ‘Prompt for Format’ so you are able to edit inputs to suit your needs.

**AnalysisPeriod:** has a valid range from 5 to 50. Smaller values (5 to 21) should be entered for a shorter-term market valuation focus, while larger values should be entered for a longer-term market valuation focus.

**ScalingMultiplier:** has valid range from 0.15 to 0.30. Smaller values will decrease the Dynamic Volatility UnitsSM, while larger values will increase it.

We suggest that you refrain from making adjustments on other tabs (Style, Color, etc) as we have set defaults for ValueCharts® and changing them will cause the indicator to not be displayed as originally intended.

Should you choose to edit the symbol you are viewing, you can do this before or after the application of ValueCharts®. ValueCharts® will work with both intraday and end of day bar intervals, however we suggest you use a longer look back period to achieve the best output.

**How to read a ValueCharts® price window**

ValueCharts® have been designed to communicate market valuation quickly and easily. Price is displayed in terms of value rather than cost by plotting price terms in one of five primary valuation zones - Significantly Overvalued, Moderately Overvalued, Fair Valued, Moderately Undervalued, and Significantly Undervalued.

The five valuation zones are color coded to allow investors to quickly and easily identify current market valuation. The implications of prices trading in the Significantly Overvalued price zone are the same as when a buyer encounters an overvalued or potentially overpriced asset. The buyer can avoid overpaying by waiting for better values. When prices for a market are trading within the Significantly Undervalued price zone, this can represent a good opportunity to purchase an undervalued asset.

Dynamic Volatility UnitsSM are specialized price units that are designed to adapt to changing market volatility by expanding with increasing volatility and contracting with decreasing volatility.
What is a Price Action Profile®?
Price Action Profile® is a powerful tool that serves to display the frequency histogram, or the probability density graph of ValueCharts® price bars across the Dynamic Volatility UnitsSM. Price Action Profile® distributions quantify the frequency in which ValueCharts® price bars trade within, above, or below each ValueCharts® price level. This information allows investors to determine the degree in which a market is overvalued or undervalued. Knowing the degree that prices are overvalued or undervalued is very powerful information!

![Price Action Profile](image)

**Fair Value (2.1469)**

Setting up a ValueCharts® Price Window
Applying a ValueCharts® window to a TradeStation charting screen is similar to applying any indicator to a charting screen, just follow the steps below

Once installed from the Strategy Network, the indicator is named ‘ValueCharts (R)’ and is available for addition to a chart under Insert Analysis Technique on the Indicator tab.
When starting to apply ValueCharts® be sure to select ‘Prompt for Format’ so you are able to edit inputs to suit your needs.

**AnalysisPeriod:** has a valid range from 5 to 50. Smaller values (5 to 21) should be entered for a shorter-term market valuation focus, while larger values should be entered for a longer-term market valuation focus.

**ScalingMultiplier:** has valid range from 0.15 to 0.30. Smaller values will decrease the Dynamic Volatility Units℠, while larger values will increase it. Dynamic Volatility Units℠ are specialized price units that are designed to adapt to changing market volatility by expanding with increasing volatility by expanding with increasing volatility and contracting with decreasing volatility.

We suggest that you refrain from making adjustments on other tabs (Style, Color, etc) as we have set defaults for ValueCharts® and changing them will cause the indicator to not be displayed as originally intended.

Should you choose to edit the symbol you are viewing, you can do this before or after the application of ValueCharts®. ValueCharts® will work with both intraday and end of day bar intervals, however we suggest you use a longer look back period to achieve the best output.

**How to read a ValueCharts® price window**

ValueCharts® have been designed to communicate market valuation quickly and easily. Price is displayed in terms of value rather than cost by plotting price terms in one of five primary valuation zones - Significantly Overvalued, Moderately Overvalued, Fair Valued, Moderately Undervalued, and Significantly Undervalued.

The five valuation zones are color coded to allow investors to quickly and easily identify current market valuation. The implications of prices trading in the Significantly Overvalued price zone are the same as when a buyer encounters an overvalued or potentially overpriced asset. The buyer can avoid overpaying by waiting for better values. When prices for a market are trading within the Significantly Undervalued price zone, this can represent a good opportunity to purchase an undervalued asset.
Setting up ValueCharts® Scanner
Applying ValueCharts® Scanner to a TradeStation scanner screen is similar to applying an indicator to a scanning screen, just follow the steps below.
Once installed from the Strategy Network, the indicator is named ‘ValueCharts (R) Scanner’ and is available for addition under Indicators.

**AnalysisPeriod:** has a valid range from 5 to 50. Smaller values (5 to 21) should be entered for a shorter-term market valuation focus, while larger values should be entered for a longer-term market valuation focus.

**ScalingMultiplier:** has valid range from 0.15 to 0.30. Smaller values will decrease the Dynamic Volatility UnitsSM, while larger values will increase it. (Dynamic Volatility UnitsSM are specialized price units that are designed to adapt to changing market volatility by expanding with increasing volatility and contracting with decreasing volatility)

**Interval, Max # of bars, Load, Currency** etc are all up to the specific trader. The above screenshot includes some suggested parameters, but again it’s completely up to each individual trader.
Why use ValueAlerts℠?
ValueAlerts℠ have been designed to notify traders when ValueCharts® prices have reached specific price levels. Traders are given the ability to set which valuation zone they’d like to be notified about, along with the ability to set how frequently they’d like to be notified of ValueCharts® prices in that particular valuation zone. Traders can set multiple ValueAlerts℠ on the same chart, and can continue working in other charts or even workspaces all without worry that ValueAlerts℠ will notify them when a particular valuation zone has been entered by displaying a pop up alert based off the trader’s indicated preferences.

Setting up a ValueAlerts℠
Applying ValueAlerts℠ to a TradeStation charting screen is similar to applying any indicator to a charting screen, just follow the steps below.

Once installed from the Strategy Network, the indicator is named ‘ValueAlerts (SM)’ and is available for addition to a chart under Insert Analysis Technique on the Indicator tab.
When starting to apply ValueAlerts℠ be sure to select ‘Prompt for Format’ so you are able to edit inputs to suit your needs.

**AnalysisPeriod:** has a valid range from 5 to 50. Smaller values (5 to 21) should be entered for a short-term market valuation focus, while larger values should be entered for a longer-term market valuation focus.

**ScalingMultiplier:** has a valid range from 0.15 to 0.30. Smaller values will decrease the Dynamic Volatility Units℠, while larger values will increase it.

**ValueLevel:** is the ValueCharts® valuation level that a trader would like to be notified of. Significantly Overvalued are values above 8, Moderately Overvalued are values ranging from above 4 through 8, Fair Value ranges from above -4 through 4, Moderately Undervalued ranges from above -8 to -4, and Significantly Undervalued is anything below -8. Traders are able to select any level they’d like to be alerted of.

**ConditionGreaterThan:** may either be true or false. If you would like for ValueAlerts℠ to notify you when the valuation is above your ValueLevel input then select true. If you’d like to be notified when the valuation is below your ValueLevel input then select false. As a general rule if you’re looking for Significantly Overvalued, you’d want to set this to true, conversely if you were looking for significantly Undervalued, you’d want to set this to false.

*Dynamic Volatility Units℠* are specialized price units that are designed to adapt to changing market volatility by expanding with increasing volatility and contracting with decreasing volatility.
Name: may be anything a trader would like to have displayed in the alert window, however it must be within the quotes.

Alerts: Be sure to check the Enable Alert box to ensure that you’re notified when the ValueCharts® valuation level you selected is reached, otherwise you won’t be notified!

We suggest that you refrain from making adjustments on other tabs (Style, Color, etc) as we have set defaults for ValueAlertsSM and changing them will cause the indicator to not be displayed as originally intended.

Should you choose to edit the symbol you are viewing, you can do this before or after the application of ValueAlertsSM. ValueAlertsSM will work with both intraday and end of day bar intervals, however we suggest you use a longer look back period to achieve the best output.
What are ValueBars℠?
ValueBars℠ are a color-keyed graphic overlay that converts traditional price bars into a powerful charting system that communicates market valuation in addition to market cost history. Specifically, ValueBars℠ define market valuation by coloring each price bar segment to correspond with one of the five ValueCharts® valuation zones. Valuation zones are color-keyed in order to allow investors to quickly and easily identify current market valuation. With ValueBars℠, traders now have the ability to identify market valuation without needing to view ValueCharts®. By plotting color-keyed price bars that correspond with the five ValueCharts® valuation zones, traders can quickly identify market valuation levels and, more importantly, identify new trading opportunities.

Setting up ValueBars℠
Applying ValueBars℠ to a TradeStation charting screen is similar to applying any indicator to a charting screen, just follow the steps below.
Once installed from the Strategy Network, the indicator is named ‘ValueBars (SM)’ and is available for addition to a chart under Insert Analysis Technique on the Indicator tab.

When starting to apply ValueBarsSM be sure to select ‘Prompt for Format’ so you are able to edit inputs to suit your needs.

**AnalysisPeriod:** has a valid range from 5 to 50. Smaller values (5 to 21) should be entered for a shorter-term market valuation focus, while larger values should be entered for a longer-term market valuation focus.

**ScalingMultiplier:** has valid range from 0.15 to 0.30. Smaller values will decrease the Dynamic Volatility UnitsSM, while larger values will increase it, (Dynamic Volatility UnitsSM are specialized price units that are designed to adapt to changing market volatility by expanding with increasing volatility and contracting with decreasing volatility)

We suggest that you refrain from making adjustments on other tabs (Style, Color, etc) as we have set defaults for ValueBarsSM and changing them will cause the indicator to not be displayed as originally intended.
What are ValueLevels℠?
ValueLevels℠ are designed to superimpose the ValueCharts® valuation levels over traditional price bars. This gives traders an additional option in tracking traditional price bars, which plot price in terms of cost, and also tracking market valuation levels at the same time within the same charting screen. ValueLevels℠ can be used as a powerful tool to track the traditional price bars for one timeframe (one data compression) and track the valuation level from a different timeframe (different data compression). For example, if a trader wanted to track chart patterns from a 60-minute bar chart, and at the same time, wanted to track the valuation level of the market as defined by daily price bars, he or she could utilize ValueLevels℠ to accomplish this.

Setting Up ValueLevels℠
Applying a ValueLevels℠ to a TradeStation charting screen is similar to applying any indicator to a charting screen, just follow the steps below.
Once installed from the Strategy Network, the indicator is named ‘ValueLevels (SM)’ and is available for addition to a chart under Insert Analysis Techniques on the Indicator tab.

When starting to apply ValueLevels\(^\text{SM}\) be sure to select ‘Prompt for Format’ so you are able to edit inputs to suit your needs.

**AnalysisPeriod**: has a valid range from 5 to 50. Smaller values (5 to 21) should be entered for a shorter-term market valuation focus, while larger values should be entered for a longer-term market valuation focus.

**ScalingMultiplier**: has valid range from 0.15 to 0.30. Smaller values will decrease the Dynamic Volatility Units\(^\text{SM}\), while larger values will increase it. Dynamic Volatility Units\(^\text{SM}\) are specialized price units that are designed to adapt to changing market volatility by expanding with increasing volatility and contracting with decreasing volatility.

We suggest that you refrain from making adjustments on other tabs (Style, Color, etc) as we have set defaults for ValueLevels\(^\text{SM}\) and changing them will cause the indicator to not be displayed as originally intended.

Should you choose to edit the symbol you are viewing, you can do this before or after the application of ValueLevels\(^\text{SM}\). ValueLevels\(^\text{SM}\) will work with both intraday and end of day bar intervals, however we suggest you use a longer look back period to achieve the best output.
What are ValueFlagsSM?
ValueFlagsSM can be used to identify price bars that trade above or below a defined valuation level. For example, suppose that industry analysts are bullish on Apple stock due to strong fundamentals. Given the positive outlook, a trader could use ValueFlagsSM to callout or identify daily price bars that trade within the significantly undervalued valuation zone. Then, if Apple experiences the anticipated up move, these significantly undervalued price levels could represent low risk, strategic market entry points.

Setting Up ValueLevelsSM
Applying ValueFlagsSM to a TradeStation charting screen is similar to applying an indicator to a charting screen, just follow the steps below.
Once installed from the Strategy Network, the indicator is named ‘ValueFlags (SM)’ and is available for addition to a chart under Insert Analysis Technique on the ShowMe tab.

When starting to apply ValueLevelsSM be sure to select ‘Prompt for Format’ so you are able to edit inputs to suit your needs.

**AnalysisPeriod:** has a valid range from 5 to 50. Smaller values (5 to 21) should be entered for a shorter-term market valuation focus, while larger values should be entered for a longer-term market valuation focus.

**ScalingMultiplier:** has valid range from 0.15 to 0.30. Smaller values will decrease the Dynamic Volatility UnitsSM, while larger values will increase it, (Dynamic Volatility UnitsSM are specialized price units that are designed to adapt to changing market volatility by expanding with increasing volatility and contracting with decreasing volatility)

**ValueLevel:** is the ValueCharts® valuation level that a trader would like to be notified of. Significantly Overvalued are values above 8, Moderately Overvalued are values ranging from above 4 through 8, Fair Value ranges from above -4 through 4, Moderately Undervalued ranges from above -8 to -4, and Significantly Undervalued is anything below -8. Traders are able to select any level they’d like to be alerted of.

**DotSpace:** refers to have far the flags are placed away from the price bars. The default is 0.01, but you are able to make the space larger if you prefer.
**FlagAboveBars:** may only be true or false. If true is selected the flags will appear above the price bars, if false is selected the flags will appear below the price bars.

We suggest that you refrain from making adjustments on other tabs (Style, Color, etc) as we have set defaults for ValueFlags℠ and changing them will cause the indicator to not be displayed as originally intended.

Should you choose to edit the symbol you are viewing, you can do this before or after the application of ValueFlags℠. ValueFlags℠ will work with both intraday and end of day bar intervals, however we suggest you use a longer look back period to achieve the best output.
Setting up SignalBars<sup>SM</sup>

Applying SignalBars<sup>SM</sup> to a TradeStation charting screen is similar to applying an indicator to a charting screen, just follow the steps below.

![Traditional Bar Chart With SignalBars<sup>SM</sup> applied](image)

tfor addition to a chart under Insert Analysis Technique on the PaintBar tab.
When starting to apply SignalBars℠ be sure to select ‘Prompt for Format’ so you are able to edit inputs to suit your needs.

**AnalysisPeriod:** has a valid range from 5 to 50. Smaller values (5 to 21) should be entered for a shorter-term market valuation focus, while larger values should be entered for a longer-term market valuation focus.

**ScalingMultiplier:** has valid range from 0.15 to 0.30. Smaller values will decrease the Dynamic Volatility Units℠, while larger values will increase it. (Dynamic Volatility Units℠ are specialized price units that are designed to adapt to changing market volatility by expanding with increasing volatility and contracting with decreasing volatility)

**ValueLevel:** is the ValueCharts® valuation level that a trader would like to be notified of. Significantly Overvalued are values above 8, Moderately Overvalued are values ranging from above 4 through 8, Fair Value ranges from above -4 through 4, Moderately Undervalued ranges from above -8 to -4, and Significantly Undervalued is anything below -8. Traders are able to select any level they’d like to be alerted of.

**ConditionGreaterThan:** may either be true or false. If you would like for the colored bar segment to be above your ValueLevel input then select true. If you’d like for the colored bar segment to be below your ValueLevel input then select false. As a general rule if you’re looking for Significantly

**Overvalued**, you’d want to set this to true, conversely if you were looking for Significantly Undervalued, you’d want to see this to false.

**Color:** allows a trader to determine what color they would like to have the qualifying bar segments. We have set a default of red, but yellow, blue, white, or green are all examples of acceptable options as well.

We suggest that you refrain from making adjustments on other tabs (Style, Color, etc) as we have set defaults for SignalBars℠ and changing them will cause the indicator to not be displayed as originally intended.

Should you choose to edit the symbol you are viewing, you can do this before or after the application of SignalBars℠. SignalBars℠ will work with both intraday and end of day bar intervals, however we suggest you use a longer look back period to achieve the best output.
What is MQ Cycle Finder
This indicator is designed to model the short-term cycle price action for any market and timeframe combination. This indicator comprises two different indicator displays. The primary indicator display, which is generated by analyzing the median price movement with respect to a moving average of median prices, represents the primary indicator line. This line is designed to communicate the dominant market and timeframe cycle. The second indicator display, which analyzes the relationship between the open and close of each price bar, is displayed as a histogram and is designed to represent a leading short-term cycle indicator.

Setting up MQ Cycle Finder
Applying MQ Cycle Finder to a TradeStation charting screen is similar to applying any indicator to a charting screen, just follow the steps below.
Once installed from the Strategy Network, the indicator is named 'MQ Cycle Finder' and is available for addition to a chart under Insert Analysis Technique.

When starting to apply MQ Cycle Finder be sure to select 'Prompt for Format' so you are able to edit inputs to suit your needs.

(CycleLength): The length of the market cycle that a trader wants to analyze for a given market and timeframe combination. A short-term setting would include 3 to 5 price bars. A longer-term setting would include 6-30 bars.

We suggest that you refrain from making adjustments on other tabs (Style, Properties, etc) as we have set defaults for MQ Cycle Finder and changing them will cause the indicator to not be displayed as originally intended.

Should you choose to edit the symbol you are viewing, you can do this before or after the application of MQ Cycle Finder. MQ Cycle Finder will work with both intraday and end of day bar intervals, however we suggest you use a longer look back period to achieve the best output.
What is MQ Migration
This indicator is designed to communicate the Value Migration for a market and timeframe combination. Specifically, this indicator measures the cumulative ValueCharts® trading activity that penetrates beyond a High Value Level (HRef) and a Low Value Level (LRef). By understanding how value is migrating for a market and timeframe combination, a trader can get an idea about short-term trend direction and also identify potential price and indicator divergences.

Setting up MQ Migration
Once installed from the Strategy Network, the indicator is named ‘MQ Cycle Finder’ and is available for addition to a chart under Insert Analysis Technique.
Once installed from the Strategy Network, the indicator is named 'MQ Migration' and is available for addition to a chart under Insert Analysis Technique.

When starting to apply MQ Migration be sure to select ‘Prompt for Format’ so you are able to edit inputs to suit your needs.

**AnalysisPeriod:** Similar to all ValueCharts® indicators (use values between 5 and 50), this is the number of bars considered in the ValueCharts® study (see ValueCharts® for more information).

**ScalingMultiplier:** Similar to all ValueCharts® indicators (recommended values between 0.15 and 0.30), this determines the width of the Dynamic Volatility UnitsSM and the spread of the Price Action Profile® bell curve histogram.

**HRef:** The high Value Level where ValueCharts® price movement above this level are taken into account within this indicator (recommended range is typically 0 to 12).

**LRef:** The low Value Level where ValueCharts® price movement below this level are taken into account within this indicator (recommended range is typically -12 to 0).

We suggest that you refrain from making adjustments on other tabs (Style, Properties, etc) as we have set defaults for MQ Migration and changing them will cause the indicator to not be displayed as originally intended.

Should you choose to edit the symbol you are viewing, you can do this before or after the application of MQ Migration. MQ Migration will work with both intraday and end of day bar intervals, however we suggest you use a longer look back period to achieve the best output.
What is MQ Migration Index
This indicator is designed to communicate the Value Migration for a market and timeframe combination. Specifically, this indicator measures the ValueCharts® trading activity that penetrates beyond a High Value Level (HRef) and a Low Value Level (LRef) for a defined lookback period (Lookback). By understanding the overvalued and undervalued ValueCharts® activity for a defined Lookback period, traders can see how the balance of power is shifting between the buying and selling forces within a market for any market and timeframe combination.

Setting up MQ Migration Index
Applying MQ Migration Index to a TradeStation charting screen is similar to applying any indicator to a charting screen, just follow the steps below.
Once installed from the Strategy Network, the indicator is named ‘MQ Migration Index’ and is available for addition to a chart under Insert Analysis Technique.

When starting to apply MQ Migration Index be sure to select ‘Prompt for Format’ so you are able to edit inputs to suit your needs.

**AnalysisPeriod:** Similar to all ValueCharts® indicators (use values between 5 and 50), this is the number of bars considered in the ValueCharts® study (see ValueCharts® for more information).

**ScalingMultiplier:** Similar to all ValueCharts® indicators (recommended values between 0.15 and 0.30), this determines the width of the Dynamic Volatility UnitsSM and the spread of the Price Action Profile® bell curve histogram.

**HRef:** The high Value Level where ValueCharts® price movement above this level are taken into account within this indicator (recommended range is typically 0 to 12).

**LRef:** The low Value Level where ValueCharts® price movement below this level are taken into account within this indicator (recommended range is typically -12 to 0).

**Lookback:** This is the lookback period, or analysis period, that is considered for this study. This period typically ranges between 3 to 50.

We suggest that you refrain from making adjustments on other tabs (Style, Properties, etc) as we have set defaults for MQ Migration Index and changing them will cause the indicator to not be displayed as originally intended.

Should you choose to edit the symbol you are viewing, you can do this before or after the application of MQ Migration Index. MQ Migration Index will work with both intraday and end of day bar intervals, however we suggest you use a longer look back period to achieve the best output.
What is MQ Momentum

Given that Momentum is one of the three primary components of price, the MQ Momentum indicator was designed to communicate the Momentum for any market and timeframe combination. The MQ Momentum displays a primary indicator line (solid line) along with a signal line (dashed line). Furthermore, the MQ Momentum indicator displays a histogram which communicates the difference between the primary indicator line and the signal line.

Setting up MQ Momentum

Applying MQ Momentum to a TradeStation charting screen is similar to applying any indicator to a charting screen, just follow the steps below.
Once installed from the Strategy Network, the indicator is named 'MQ Momentum' and is available for addition to a chart under Insert Analysis Technique.

When starting to apply MQ Momentum be sure to select 'Prompt for Format' so you are able to edit inputs to suit your needs.

**IndicatorLine:** This is the length of the primary MQ Momentum indicator line. This value can range between 2 to 300.

**Smooth:** This is a smoothing formula applied to the IndicatorLine to eliminate the noise. Typically this value is less than or equal to the IndicatorLine value, although it can technically be anything.

**SignalLine:** This value is typically between 2 to 20, although it can technically be anything.

We suggest that you refrain from making adjustments on other tabs (Style, Properties, etc) as we have set defaults for MQ Momentum and changing them will cause the indicator to not be displayed as originally intended.

Should you choose to edit the symbol you are viewing, you can do this before or after the application of MQ Momentum. MQ Momentum will work with both intraday and end of day bar intervals, however we suggest you use a longer look back period to achieve the best output.

**NO REPRESENTATION IS BEING MADE THAT THE USE OF THIS STRATEGY OR ANY SYSTEM OR TRADING METHODOLOGY WILL GENERATE PROFITS. PAST PERFORMANCE IS NOT NECESSARILY INDICATIVE OF FUTURE RESULTS. THERE IS SUBSTANTIAL RISK OF LOSS ASSOCIATED WITH TRADING SECURITIES AND OPTIONS ON EQUITIES. ONLY RISK CAPITAL SHOULD BE USED TO TRADE. TRADING SECURITIES IS NOT SUITABLE FOR EVERYONE. DISCLAIMER: FUTURES, OPTIONS, AND CURRENCY TRADING ALL HAVE LARGE POTENTIAL REWARDS, BUT THEY ALSO HAVE LARGE POTENTIAL RISK. YOU MUST BE AWARE OF THE RISKS AND BE WILLING TO ACCEPT THEM IN ORDER TO INVEST IN THESE MARKETS. DON'T TRADE WITH MONEY YOU CANNOT AFFORD TO LOSE. THIS WEBSITE IS NEITHER A SOLICITATION NOR AN OFFER TO BUY OR SELL FUTURES, OPTIONS, OR CURRENCIES. NO REPRESENTATION IS BEING MADE THAT ANY ACCOUNT WILL OR IS LIKELY TO ACHIEVE PROFITS OR LOSSES SIMILAR TO THOSE DISCUSSED ON THIS WEBSITE. THE PAST PERFORMANCE OF ANY TRADING SYSTEM OR METHODOLOGY IS NOT NECESSARILY INDICATIVE OF FUTURE RESULTS. CFTC RULE 4.41 – HYPOTHETICAL OR SIMULATED PERFORMANCE RESULTS HAVE CERTAIN LIMITATIONS. UNLIKE AN ACTUAL PERFORMANCE RECORD, SIMULATED RESULTS DO NOT REPRESENT ACTUAL TRADING. ALSO, SINCE THE TRADES HAVE NOT BEEN EXECUTED, THE RESULTS MAY HAVE UNDER-OR-OVER COMPENSATED FOR THE IMPACT, IF ANY, OF CERTAIN MARKET FACTORS, SUCH AS LACK OF LIQUIDITY. SIMULATED TRADING PROGRAMS IN GENERAL ARE ALSO SUBJECT TO THE FACT THAT THEY ARE DESIGNED WITH THE BENEFIT OF Hindsight. NO REPRESENTATION IS BEING MADE THAT ANY ACCOUNT WILL OR IS LIKELY TO ACHIEVE PROFIT OR LOSSES SIMILAR TO THOSE SHOWN.**
What is MQ Regression
This indicator is designed to serve as a filter for general trend direction for a defined market and timeframe combination. The MQ Regression is a Linear Regression of the median prices for a defined lookback period. This indicator is designed to give traders a basic sense about which side of the market they should be trading on (green for long or red for short). This indicator is designed to serve as a filter.

Setting up MQ Regression
Applying MQ Regression to a TradeStation charting screen is similar to applying any indicator to a charting screen, just follow the steps below.
Once installed from the Strategy Network, the indicator is named ‘MQ Regression’ and is available for addition to a chart under Insert Analysis Technique.

When starting to apply MQ Regression be sure to select ‘Prompt for Format’ so you are able to edit inputs to suit your needs.

**Length:** This is the length of the Linear Regression study applied to median prices. This value is typically between 100 and 300.

**TrendUpColor:** Color when the MQ Regression is moving higher (default green).

**TrendDownColor:** Color when the MQ Regression is moving lower (default red).

We suggest that you refrain from making adjustments on other tabs (Style, Properties, etc) as we have set defaults for MQ Regression and changing them will cause the indicator to not be displayed as originally intended.

Should you choose to edit the symbol you are viewing, you can do this before or after the application of MQ Regression. MQ Regression will work with both intraday and end of day bar intervals, however we suggest you use a longer look back period to achieve the best output.
What is MQ Trend
This indicator is designed to serve as a filter for general trend direction for a defined market and timeframe combination. This indicator plots a trailing stop price level either above or below the market to communicate both the direction of the trend and the price level that must be penetrated to reverse the direction of the trend. A green line plotted below the market is reflective of an uptrending environment and a red line plotted above the market is reflective of a downtrending environment.

Setting up MQ Trend
Applying MQ Trend to a TradeStation charting screen is similar to applying any indicator to a charting screen, just follow the steps below.
Once installed from the Strategy Network, the indicator is named ‘MQ Trend’ and is available for addition to a chart under Insert Analysis Technique.

When starting to apply MQ Trend be sure to select ‘Prompt for Format’ so you are able to edit inputs to suit your needs.

**Length:** This parameter that determines the analysis period (or time focus) for the indicator. Larger values make the MQ Trend longer-term in focus and smaller values make the MQ Trend shorter-term in focus.

**ATRLength:** Determines the length of the ATR calculation that is used to determine the starting indicator level and the ongoing indicator level relative to prices.

**ATRMult:** Determines the number of ATR intervals used to determine the starting indicator level and the ongoing indicator level relative to prices.

We suggest that you refrain from making adjustments on other tabs (Style, Properties, etc) as we have set defaults for MQ Trend and changing them will cause the indicator to not be displayed as originally intended.

Should you choose to edit the symbol you are viewing, you can do this before or after the application of MQ Trend. MQ Trend will work with both intraday and end of day bar intervals, however we suggest you use a longer look back period to achieve the best output.
What is MQ Trend Index

This indicator is designed to communicate both the existence and the direction of a trend for any market and timeframe combination. In general, referencing default colors, a market is defined as trending in the up direction if the histogram value is positive, heading higher, and colored green. A market is defined as trending in the down direction if the histogram value is negative, heading lower, and colored red. Other colors and conditions are designed to communicate either price consolidation (sideways price action) or prices that have reversed direction relative to the previous trend.

Setting up MQ Trend Index

Applying MQ Trend Index to a TradeStation charting screen is similar to applying any indicator to a charting screen, just follow the steps below.
Once installed from the Strategy Network, the indicator is named ‘MQ Trend Index’ and is available for addition to a chart under Insert Analysis Technique.

When starting to apply MQ Trend Index be sure to select ‘Prompt for Format’ so you are able to edit inputs to suit your needs.

**TrendLength**: Timeframe focus of the MQ Trend Index. Larger values communicate longer-term trends and smaller values communicate shorter-term trends.

**TrendSmooth**: This is a smoothing agent for the indicator to minimize noise. This value typically ranges between 2 and the value of the TrendLength parameter.

**TrendRef**: This parameter also serves as to establish the reactivity of the MQ Trend Index indicator. Typical values for this parameter range between 2 and 12.

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