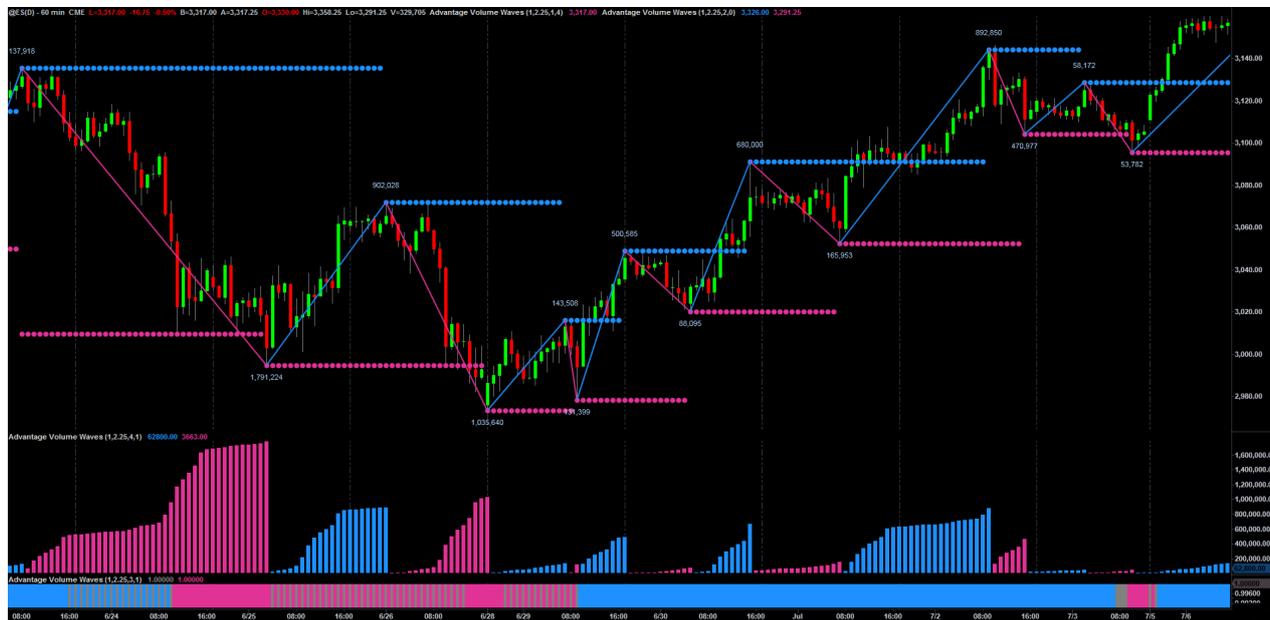# ADVANTAGE TRADING
Beat the Market!

Advantage Volume Waves
### Discover the Hidden Market Structure

Description

Analyze market structure and chart patterns using price swings, find supports and resistances at the latest pivot points, and identify the accumulation and distribution areas to find trading opportunities. Advantage Volume Waves makes complex price and volume structures simple and easy to understand. It shows the dominant trend and helps to recognize turning points based on the volume flow, so you can trade in the direction of the main market movement and be prepared for its reversal. You can use cumulative volume waves to find Richard D. Wyckoff and David H. Weis accumulation and distribution areas or use Fibonacci retracements to identify the end of corrections. The Advantage Volume Waves indicator removes the noise from the charts to make price and volume fluctuations much clearer and more readable.

Advantage Volume Waves - Indicator Settings

Input	Value	Description
Mode_ATR#1_Percent#2	1-2 default: 1	1 - ATR swings; 2 - Percentage swings;
Swing_Size	0-100 default: 3	Size of the swings
Type_Swings#1_SupRes#2_Trend#3_CumVol#4	0-4 default: 4	Type of displayed indicator
Display_Options for 0	0-1 default: 1	0 - no labels; 1 - price labels
Display_Options for Type: Swings#1	0-6 default: 1	0 - no labels; 1 - price labels; 2 - swing reversal level; 3 - price labels and swing reversal level; 4 - CumVol labels
Display_Options for Type: SupRes#2	0-6 default: 1	0 - no labels; 1 - price labels; 2 - Fibonacci retracements; 3 - price labels and Fibonacci retracements; 4 - CumVol labels
Display_Options for Type: Trend#3	1-2 default: 1	1 - intrabar signals; 2 - end of bar signals
Display_Options for Type: CumVol#4	1-6 default: 1	1 - Volume; 2 - Ticks; 3 - Volatility; 4 - Volume labels; 5 - Ticks labels; 6 - Volatility labels

Important notice: Swing size should be larger than the size of a single bar to ensure proper display of the study. In order to display smaller swings, the chart should be switched to a lower time frame.
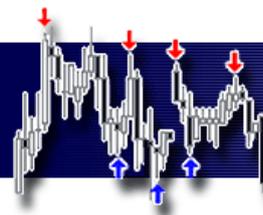
How Advantage Volume Waves work

When the price changes direction, the indicator assumes that a new swing may appear. However, if the swing size criterion is not met, and the price returns to the previous direction, the swing line and cumulative volume return to the previous direction and color.

On the internet it is possible to find indicators that show only the correct swings and the cumulative volume without changing it and returning to the previous one even if a new swing has not been created. However, they have to take a price data from the future to draw right swings at the very beginning. They look great when backtested on historical data, but fail in real-time when they are unable to take data from the future.

Repainting lines and colors when the new swing criterion is not met is correct behavior and cannot be avoided unless looking into the future. This is not perfect, but it is unavoidable. If the swing is confirmed, the indicator line sticks to high or low, in unconfirmed swing it sticks to the close so it is easy to distinguish whether the swing is confirmed or not.

In order to check if the swing size criterion is met, the Swing Reversal Level in Display_Options for Swings (setting 2) should be enabled. If the price breaks it, a new swing is made and will not be repainted since then.
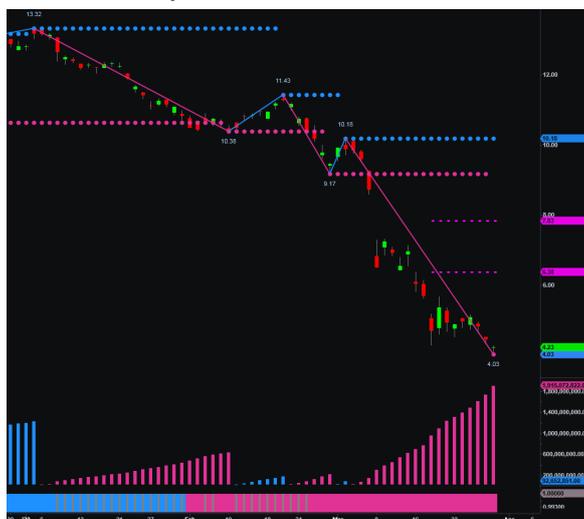
1. New bottom

2. Rebound but new swing criterion not met

Swing Reversal Level not broken

3. Return to previous direction

Beta version: We are still working on Advantage Volume Waves. It is fully functional, but now it is an analytical tool rather than a real-time trading one as in short time frame like second or tick charts, it may not work properly. Just try it for free and consider if it meets your requirements.

We are still working on Advantage Volume Waves and we appreciate your feedback: support@advantagetrading.net
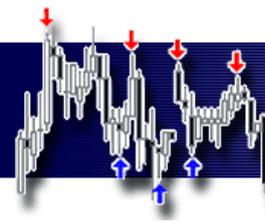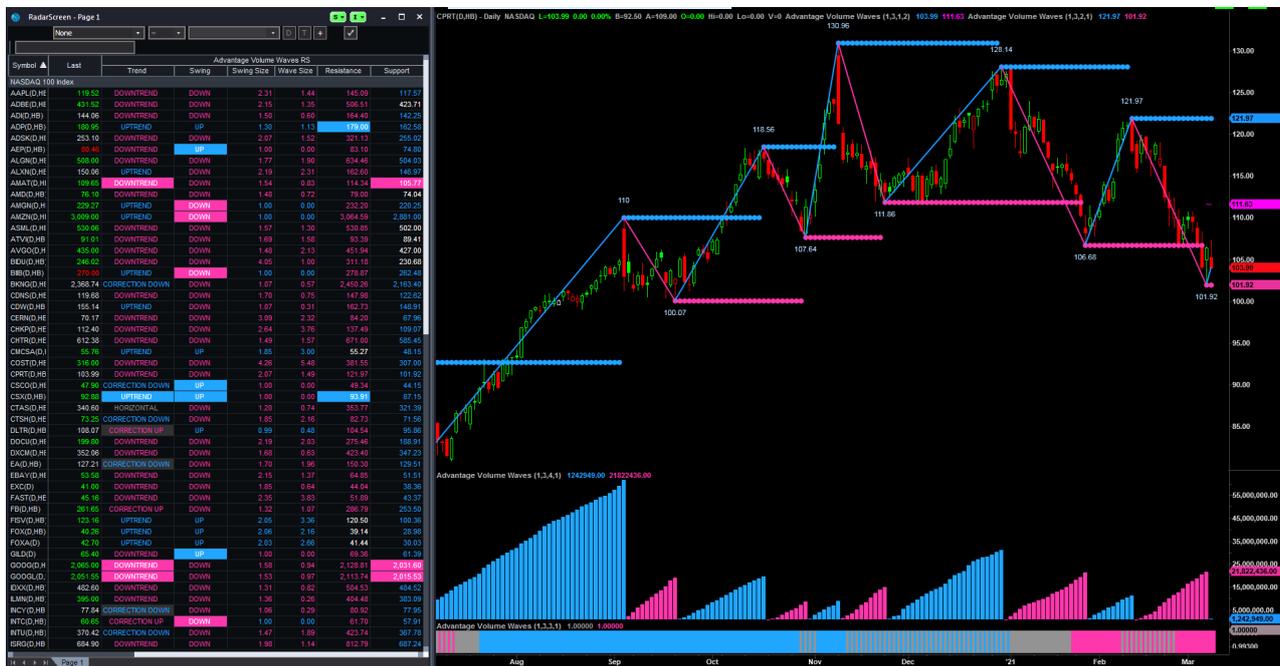
Advantage Volume Waves - RadarScreen settings

In order to use Advantage Volume Waves in RadarScreen, the Advantage Volume Waves RS indicator should be used.

Input	Value	Description
Mode_ATR#1_Percent#2	1-2 default: 1	1 - ATR swings; 2 - Percentage swings;
Swing_Size	0-100 default: 3	Size of the swings
Trend_Options	1-2 default: 1	1 - Intrabar signals; 2 - End of bar signals;
Swing_Options	1-2 default: 1	1 - Absolute size of swing; 2 - Relative size of swing in relation to historical ones;
Wave_Options	1-3 default: 1	Type of Waves: 1 - Volume; 2 - Ticks; 3 - Volatility; *The size of the wave is always relative to the historical ones*

The RadarScreen Workspace displays all information from the chart in a table for several symbols simultaneously. The following columns show current trend, swing direction, size of the swing, size of the volume wave, nearest support and resistance. If there are new signals, the background of the cell changes color (for the consecutive support or resistance breakouts, the font color changes to white and the background remains black).

|	
DOWNTREND	trend change signal
UP	swing change signal
105.77	breakout of resistance or support
502.00	consecutive breakout of resistance or support

Advantage Volume Waves - RadarScreen troubleshooting

As Advantage Volume Waves is still in beta version, there may appear some minor issues with RadarScreen:

- **empty raw** - refresh particular or all symbols in RadarScreen (Ctrl+R),
- **incorrect values** - TradeStation cache should be cleared (delete cache folder in TS 9.5; restart the application for TS 10.0). Also remember that the swing size should be larger than the size of a single bar to ensure proper display of the study.
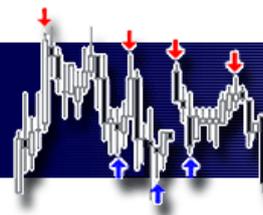
Advantage Volume Waves - Scanner

In order to use Advantage Volume Waves in Scanner, the Advantage Volume Waves RS indicator should be used.

Scanner Results

Disclaimer

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HYPOTHETICAL PERFORMANCE RESULTS HAVE MANY INHERENT LIMITATIONS, SOME OF WHICH ARE DESCRIBED BELOW. NO REPRESENTATION IS BEING MADE THAT ANY ACCOUNT WILL OR IS LIKELY TO ACHIEVE PROFITS OR LOSSES SIMILAR TO THOSE SHOWN. IN FACT, THERE ARE FREQUENTLY SHARP DIFFERENCES BETWEEN HYPOTHETICAL PERFORMANCE RESULTS AND THE ACTUAL RESULTS SUBSEQUENTLY ACHIEVED BY ANY PARTICULAR TRADING PROGRAM.

ONE OF THE LIMITATIONS OF HYPOTHETICAL PERFORMANCE RESULTS IS THAT THEY ARE GENERALLY PREPARED WITH THE BENEFIT OF HINDSIGHT. IN ADDITION, HYPOTHETICAL TRADING DOES NOT INVOLVE FINANCIAL RISK, AND NO HYPOTHETICAL TRADING RECORD CAN COMPLETELY ACCOUNT FOR THE IMPACT OF FINANCIAL RISK IN ACTUAL TRADING. FOR EXAMPLE, THE ABILITY TO WITHSTAND LOSSES OR TO ADHERE TO A PARTICULAR TRADING PROGRAM IN SPITE OF TRADING LOSSES ARE MATERIAL POINTS WHICH CAN ALSO ADVERSELY AFFECT ACTUAL TRADING RESULTS. THERE ARE NUMEROUS OTHER FACTORS RELATED TO THE MARKETS IN GENERAL OR TO THE IMPLEMENTATION OF ANY SPECIFIC TRADING PROGRAM WHICH CANNOT BE FULLY ACCOUNTED FOR IN THE PREPARATION OF HYPOTHETICAL PERFORMANCE RESULTS AND ALL OF WHICH CAN ADVERSELY AFFECT ACTUAL TRADING RESULTS.

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