

ATM
PowerScreener
— BY VIRATECH —

Your complete guide for using the ATM PowerScreener eSignal add-on

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Disclaimer

The ATM PowerScreener Product including this User Guide cum manual is not a recommendation to buy or sell, but rather a guideline to interpreting the specified analysis methods and indicators. The information and tools provided should only be used by investors who are aware of the risk inherent in trading.

It should not be assumed that past performance is any guarantee of future results. Results obtained from the use of the ATM PowerScreener indicators or any information provided in this User Guide are not guaranteed to be profitable. It should be well understood that investing or speculating in the financial markets involves risk and may result in either a partial or total loss of one's investment capital. The information presented in this User Guide is believed to be reliable, but cannot be guaranteed as to its accuracy or completeness.

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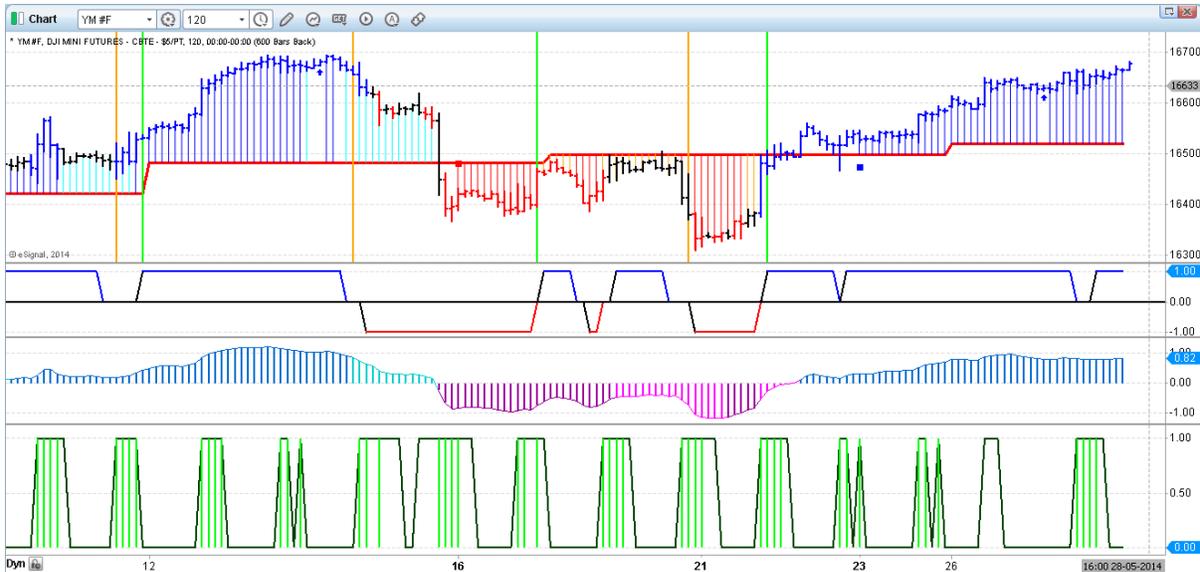
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Introduction



The ATM PowerScreener is a premium suite of studies, that's engineered to help today's trader with automated analysis and trade detection. The studies / indicators / strategies help you trade to a more disciplined rule-based approach. The indicators are aimed at being intense, effective and above all simple - they provide a never before like visual experience on the trade and trend quality.

The ATM PowerScreener strategies are further backed with voice and email alerts that help you focus on opportunities and elevate your trading results. To compliment the indicators, we've also included for you live PowerScreener studies that perform vigorous scans on your stocks / symbols you're interested in.

The product was envisaged by Rahul Mohindar, Director at VIRATECH SOFTWARE, a company purely dedicated to the sphere of Technical Analysis for over 20 years.

Mr. Mohindar is a seasoned trader, a panelist. He has been regularly featured on CNBC India for over a decade. His interviews and findings have been published across various newspapers and books. Rahul is a real-life trader till this day and has educated hundreds of traders across the globe including on live real time trading scenarios. Rahul's entry into the trading arena started right from his teens and he's been part of a multiplicity of events across the globe including USA, UK, Australia, Singapore and India! His research and work rotate around highly practical lines which is what he's renowned for. His studies have also been acquired by industry leaders, he is well known for his RMO (Rahul Mohindar Oscillator) system, that has been a key component of the award winning MetaStock product line since 2008.

Over the past years, the ATM PowerScreener suite has already proven itself as a winner with hundreds of users across the globe on multiple asset classes including Stocks, Futures, Options and Forex. With a blend of both breakout and counter trend strategies coupled with powerful automated scans it ensures trend breakouts and reversals are caught with ease and no manual intervention.

Its unique Alert mechanisms are again ground breaking, as it includes a range of alert choices, including basic sound alerts, pop-up alerts, email alerts and most popular VOICE ALERTS! Yes, it will talk to you even if you didn't look at the program!

Its specialty tools help you even detecting sideways zones and gauge volatility which is essential to the Options trader too. Additionally knowing you're in a sideways market helps save you from typical whipsaws.

In addition, it also packs in exclusive studies designed around volume data, this coupled with its proprietary detection methodologies give you to the point signals on the forthcoming trade.

If you use Advanced GET, you would also be able to scan for some very popular trading setups incl on the XTL, JTI, Moving Average Channels as well as Who's in Control Trade setups!

Simply put, the ATM PowerScreener automates trade detection and analysis to such a clean degree that it allows you to **focus on the trade**, rather than just being an analyst only. So, if you're looking for a **comprehensive suite that's easy and effective** to use, and works like a guiding force that helps you inculcate discipline, the ATM PowerScreener suite is the ultimate choice.

So, whether you're an advanced level trader wanting to derive a deeper sense or a novice that's looking for easy tools with buy and sell signals, the ATM PowerScreener has the versatility and efficiency to cater to your needs. The suite is not just backed by typical resources but complimented by real life personalized one to one training!

This add on is yet another great example of how a lucid approach gets you closer to trading precision and financial freedom.

Installation & Loading Studies

The **ATM PowerScreener** indicator suite comes pre-installed with the eSignal desktop product.



Note: The product may operate on versions prior to eSignal 21 however for full functionality and accuracy it is essential you install eSignal ver 21 or higher. To use any of the studies, you **must be subscribed** to the add-on service. In case you need assistance with signing up or installation, you are welcome to email us at support@viratechindia.com. Please note the product is designed for PC's running with Windows (64-Bit) only.



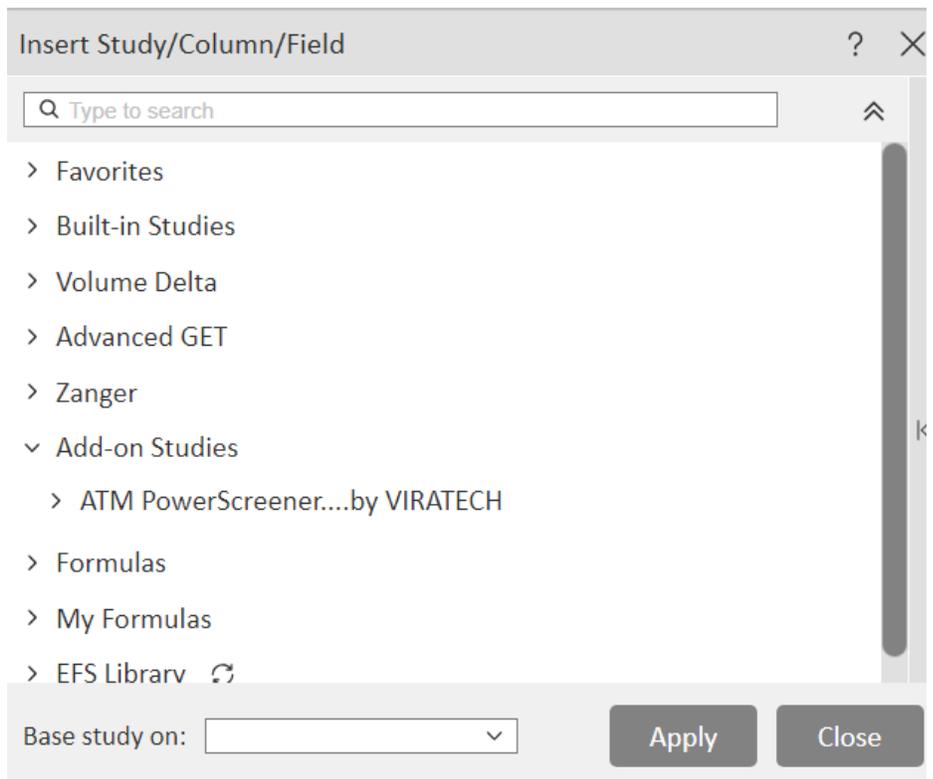
To load one or more of the ATM PowerScreener studies on an eSignal Chart:

Open an eSignal chart
(**New/Chart** from the eSignal
toolbar.)

Right-click anywhere inside of
the chart window and select
the *Insert Study* option from the
pop-up menu.

This opens the **Insert Study** dialog.

Under the *Add-on Studies* you
need to double click on the folder
ATM PowerScreener....by Viratech



Select the indicator that you wish to load, click on the **Apply** button and then click on **Close**. The selected indicator will now be loaded on your chart.

To load multiple indicators, hold down your CTRL key and click on each indicator that you wish to load, then click on the **Apply** button and then **Close**.

Indicators with **"PS"** at the end of the title must ONLY be used on the WatchList.

Indicators with **"CW"** at the end of their title must ONLY be used on the Chart Window.

Insert Study/Column/Field

Q Type to search

- ATM PowerScreener....by VIRATECH
 - ATM BC Sync - PS.efs
 - ATM BreakoutCatcher - PS.efs
 - ATM BreakoutCatcher CW.efs**
 - ATM CTI - PS.efs
 - ATM CTI CW.efs
 - ATM Pivot Alert - PS.efs
 - ATM RMO II - PS.efs
 - ATM RMO II CW.efs**
 - ATM Runway - PS.efs
 - ATM Runway CW.efs**
 - ATM SWI - PS.efs

Base study on:

Apply Close

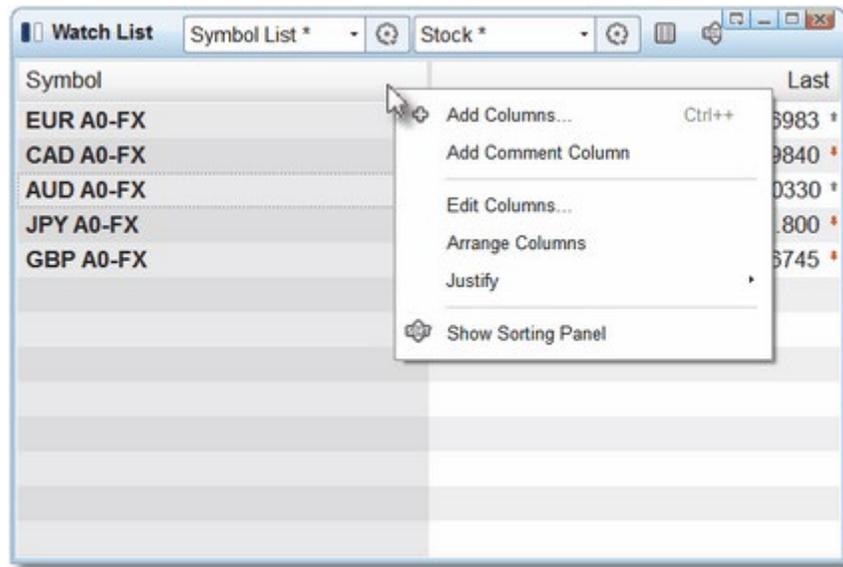


To load one or more of the **ATM PowerScreener** studies on your eSignal WatchList follow these steps:

Pull up an eSignal WatchList. (**New/WatchList** from the eSignal toolbar.) Input the symbols that you wish to monitor.

Right-click while your cursor is inside of the column header bar and select the *Add Columns* option from the pop-up menu.

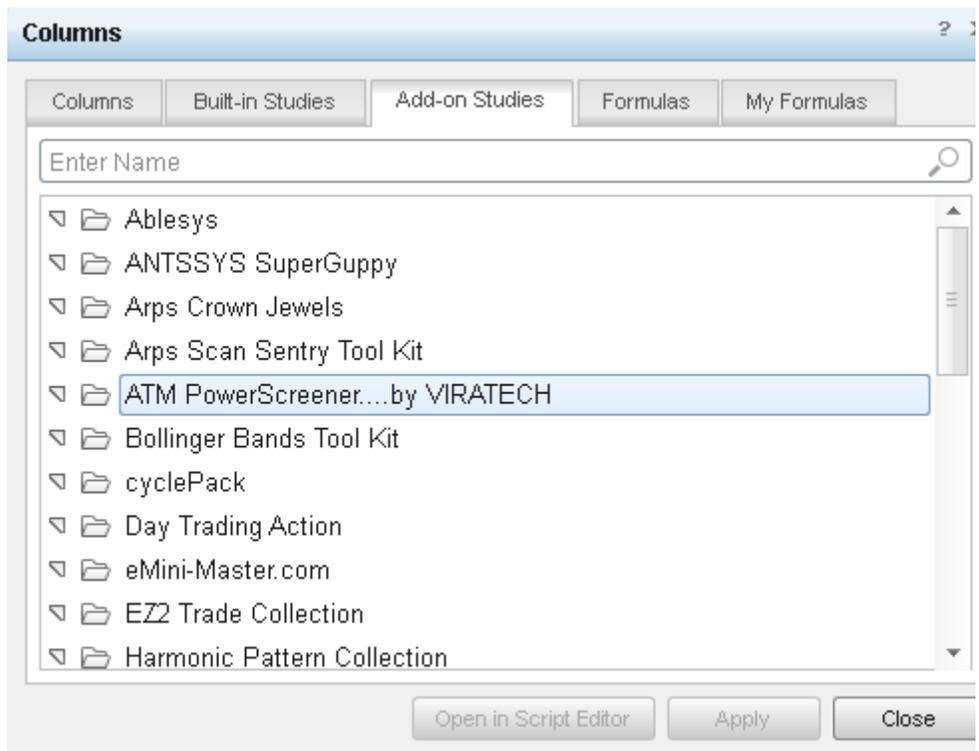
This will call up the **Columns** dialog.



In the **Columns** dialog, click on the *Add-on Studies* tab.

Scroll down to the **ATM PowerScreener...by Viratech** folder.

Double-click on that folder to expand it.



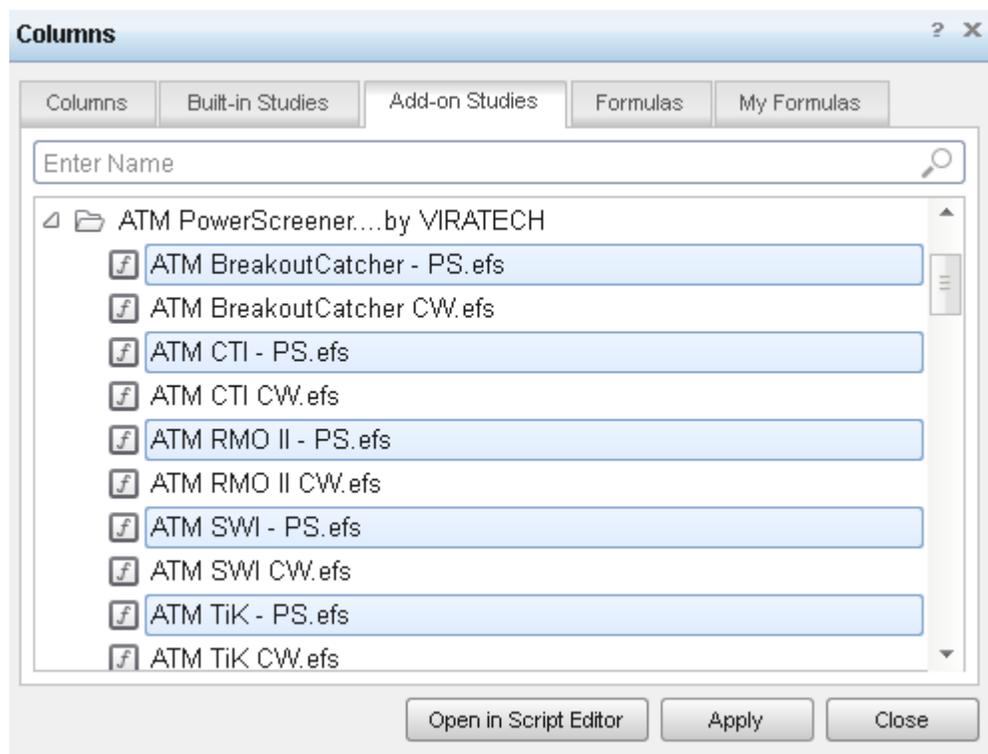
You will see several studies under this folder.

The study titles that end with a "PS" are the PowerScreener's.

These are designed to automatically scan and interpret symbols in your **WatchList**.

Select the indicator that you wish to load, click on the **Apply** button and then click **Close**.

To load multiple indicators, hold down the CTRL key and click on each indicator you wish to load, then click **Apply** followed by **Close**.



The selected indicator(s) will now be loaded into your WatchList.

Symbol	Last	Change	%Chg	ATM BC, 5	CTI, D ▲	ATM RMO II, 5	SWI, 5	ATM TiK, 5
AAPL ¹⁵	95.60	0.00	0%			-1.00	94.44	
IBM ¹⁵	191.67	-2.33	-1.20%			-1.00	192.04	
GOOG ¹⁵	571.60	0.00	0%			1.00	568.95	
MSFT ¹⁵	43.16	0.00	0%			-1.00	42.74	
GE ¹⁵	25.15	0.00	0%			-1.00	25.03	
C ¹⁵	48.91	-1.08	-2.16%			-1.00	48.97	
GLD ¹⁵	123.39	0.00	0%			1.00	123.67	

SYSTEM REQUIREMENTS

BASIC User

Windows 10 / 11 (64-bit)

Intel® Core™ i5 or higher

8 GB RAM or higher

250 MB available hard disk space

Hi Speed internet connection

POWER User*

Windows 11 (64-bit)

Intel® Core™ i5 / i7 / i9, 2.5 GHz or faster

16 GB RAM or higher

20 GB available hard disk space (SSD Hard Drive ideally)

Hi Speed internet connection

****A power user is someone who uses 1 or more of the following...***

10 or more interval charts

eSignal's Advanced GET Edition.

3 or more pages open simultaneously including across multiple monitors.

Have > 50 symbols on your WatchList with Indicator(s) / EFS applied.

15 or more drawn objects on a chart (either through EFS or the line toolbar)

IMPORTANT: Owing to the powerful indicators and unique features the ATM PowerScreener was engineered for 64 Bit PCs only. **We do not support or have a 32-Bit version.** Hence you do need to be on Windows 10 / 11 (64 Bit) as 64-bit version of Windows handles large amounts of random-access memory (RAM) more effectively than a 32-bit system.

INCLUSIONS

The ATM PowerScreener is built to be a comprehensive and versatile suite, that includes a host of different studies (listed below). For your convenience, this user guide details all the core studies.

1. ATM BreakoutCatcher - PS
2. ATM BreakoutCatcher CW
3. ATM BC Sync - PS
4. ATM CTI - PS
5. ATM CTI CW
6. ATM RMO II - PS
7. ATM RMO II CW
8. ATM SWI - PS
9. ATM SWI CW
10. ATM TiK CW
11. ATM TiK Osc
12. ATM TiK - PS
13. ATM ZoneDetector
14. ATR %
15. Bar Behavior CW
16. MA Crossover - PS
17. MACD - PS
18. New Hi-Lo - PS
19. PV Screener - PS
20. RSI - PS
21. Stochastic - PS
22. TD AutoInterpret - PS
23. TD AutoInterpret CW
24. TD Levels FullView CW
25. Volume Breakout - CW
26. Volume Breakout - PS
27. WIC (Who's in Control) - PS
28. XTL-JTI-MAC-OBO – PS
29. ATM Pivot Alert - PS
30. ATM TIK Sync - PS
31. ATM TIK Sto - PS
32. Multi Osc
33. TD Break - PS
34. TD Steps
35. Tik Don CW
36. Tik Don - PS
37. TurboTrend - PS
38. XTL Sync - PS
39. ATM Runway CW
40. ATM Runway - PS
41. Keltner Channel CW
42. Keltner Channel - PS
43. MA of Vol CW
44. ATM TREND FLARES CW
45. ATM TREND FLARES - PS

Important Notes:

- ◆ Whilst the above tools and studies can be used across any timeframe and asset class be it Stocks, Commodities and Forex, they work only on symbols with complete Open / High / Low / Close (OHLC) charts that have 300 bars or more of historical data.
- ◆ A few indicators viz. SWI, Zone Detector and CTI are dependent on the presence of volume data.
- ◆ All of the above tools are optimized for use on eSignal ver 21.2 or higher, in case you use an older version we recommend you update your eSignal desktop application.
- ◆ For those using Advanced GET we've specifically provided several PowerScreener's that are relevant **and dependent** on GET studies that you must have entitled. The studies are viz, WIC, XTL Sync, Stochastics, ATM Runway and XTL-JTI-MAC-OBO studies, ATM Runway CW/PS, ATM Pivot Alert – PS and Stochastics - PS. To apply these studies, you need to be subscribed to Advanced GET / eSignal Elite. In case you do not use / own Advanced GET / eSignal Elite no worries, **you will still enjoy access to all of the other studies as listed above.**

Chart Indicators

The ATM PowerScreener includes a suite of indicators, some specially for use on the Chart Window whilst the others on the WatchList:

**Tip : CW indicates to use this study on the Chart Window / PS denotes it's a PowerScreener and should be used on the WatchList.*

The studies you could apply on the Chart are as follows:

1. ATM BreakoutCatcher CW
2. ATM CTI CW
3. ATM RMO II CW
4. ATM SWI CW
5. ATM TiK CW
6. ATM TiK Osc
7. ATM ZoneDetector
8. ATR %
9. Bar Behavior CW
10. TD AutoInterpret CW
11. TD Levels FullView CW
12. ATM Runway CW
13. Keltner Channel CW
14. Tik Don CW
15. MA of Vol CW
16. ATM TREND FLARES CW
17. ATM AUTO SR

WatchList Indicators

The ATM PowerScreener includes some very helpful tools to detect and interpret current trading opportunities. The WatchList indicators or “PowerScreeners” are built to help flash new trading opportunities in a basket of symbols, that are configurable over multiple timeframes based on criteria you desire. They have menu options similar to their chart-based counterparts and are highly configurable. When the PowerScreener’s are paired with the chart-based indicators you have a truly powerful and effective mechanism for finding and evaluating trading signals.

The WatchList Indicators are as follows:

1. ATM BreakoutCatcher - PS
2. ATM CTI - PS
3. ATM RMO II - PS
4. ATM SWI - PS
5. ATM TiK - PS
6. ATM ZoneDetector
7. ATR %
8. MA Crossover - PS
9. MACD - PS
10. New Hi-Lo - PS
11. PV Screener - PS
12. RSI - PS
13. Stochastic - PS
14. TD AutoInterpret - PS
15. Volume Breakout - PS
16. WIC (Who's in Control) - PS
17. XTL-JTI-MAC-OBO – PS
18. ATM BC Sync - PS
19. ATM Pivot Alert - PS
20. ATM Runway - PS
21. ATM TIK Sync - PS
22. ATM TIK Sto - PS
23. Keltner Channel - PS
24. Multi Osc
25. TD Break - PS
26. TD Steps
27. Tik Don - PS
28. Turbo Trend - PS
29. XTL Sync - PS
30. Volume Breakout -PS
31. ATM TREND FLARES - PS

You may notice that a few studies can be used in both the Chart and WatchList (should you require) ...

32. ATM ZoneDetector
33. ATR %
34. ATM TrendDecider CW

ATM BreakoutCatcher

The ATM Breakout Catcher solves the direction puzzle straight out. It auto interprets if the market is in a Bullish, Bearish or Neutral phase.

Notice in the illustration, the study paints the bars in BLUE, RED or KHAKI color. BLUE indicates strength RED weakness and KHAKI suggests indecision or a possible phase of transition

You can detect trend changes accurately without much of a lag effect using this indicator.

BLUE bars suggest strength and this makes us trade on the long side. As the trend develops and gets stronger and stable the price bars continue to stay BLUE. Every single BLUE bar should not necessarily be interpreted as a buying opportunity.

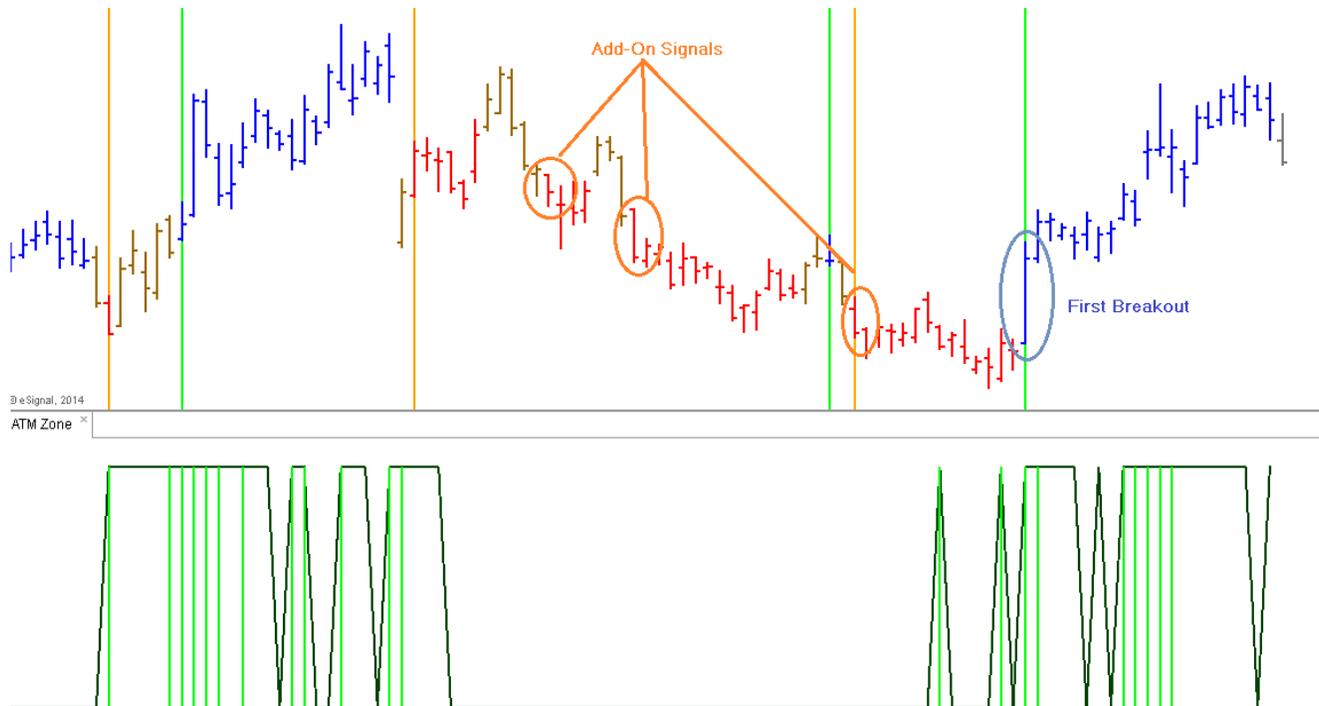
A KHAKI color bar would indicate that the stock has corrected in terms of price / time from its existing trend and hence signifies that the stock has entered Neutral mode, however based on this change in color we would not take a fresh trade. Aggressive traders may like to use this Neutral mode innovatively to put on trades with a smaller risk and expect a greater reward.

The RED bars indicate weakness and implies we should be trading on the short side. As the trend gets weaker and prices continue to decline you will often notice that the bars stay consistently RED. The continuous red bars indicate the stock is still in bear grip; however, every single RED bar should not necessarily be interpreted as a selling opportunity.

The ATM BreakoutCatcher model is backed with a PowerScreener that can auto detect new trading opportunities and interpret the trend with ease. This indicator viz "ATM BreakoutCatcher – PS" has been detailed further in the manual.

When we see a new BLUE bar (after KHAKI), it indicates the possibility of an up breakout. This is an indication of strength and hence we could go long, preferably a few ticks above the high of the breakout bar.

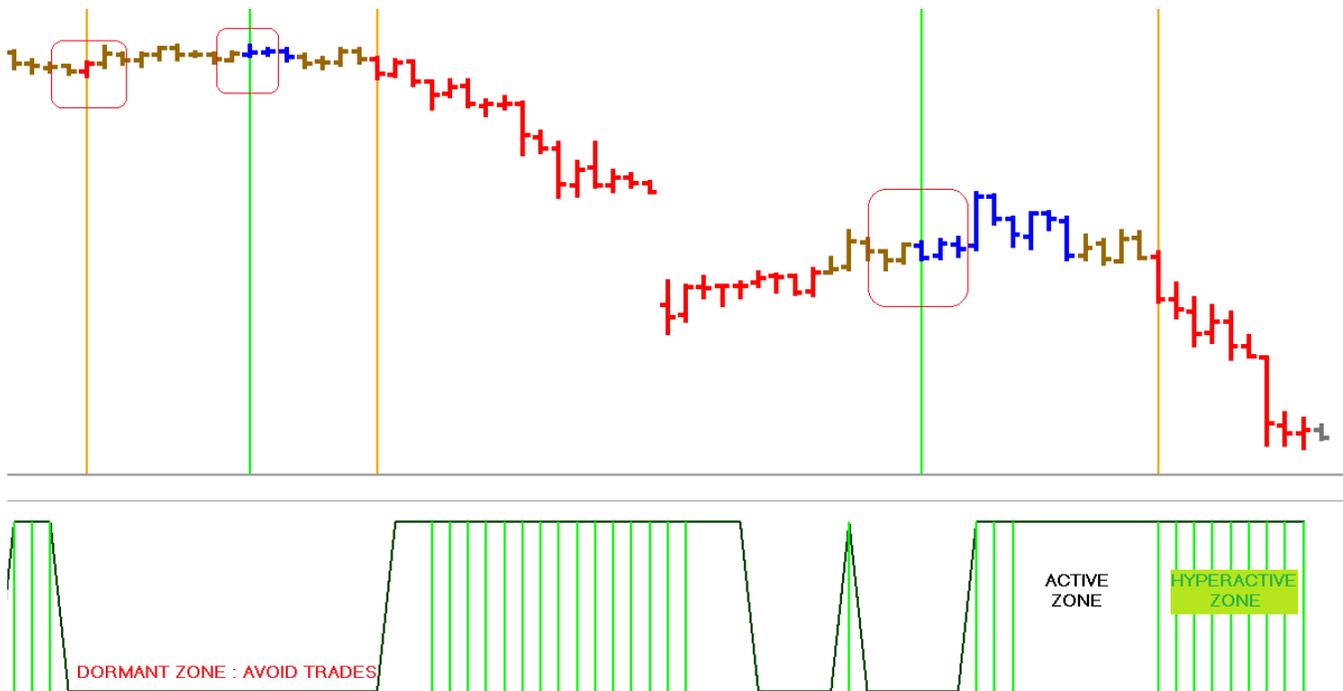
However greater weight should be given to first breakouts – this means if we get a buy signal after a triggered sell or a downtrend it should be considered more significant; however, if we get a buy signal after a Neutral / KHAKI phase, it suggests that we are in an already triggered uptrend and a continuation of the existing trend is likely. The illustration clearly explicates this...



To ease interpretation and to enhance your visual experience, a lime-colored vertical line is plotted automatically to signal Bullish Breakouts (that occur after red bars / downtrend). An orange-colored vertical line is marked on Bearish breakouts (that occur post blue bars / uptrend).

Whilst it is essential to know which signals are more relevant than the other, active traders also want to ensure that you don't land up trading in a phase of "dormancy" or in a phase characterized by a sideways / low price and volume action. This is why it's recommended to reconfirm ATM BreakoutCatcher signals with the ATM ZoneDetector.

If the Zone Detector is positive (i.e., at a value of +1) it indicates fair price-volume activity is in place. In addition, if you see a lime-coloured histogram within, it indicates strong price volume action or hyperactivity. Trading for breakouts in active / hyperactive phases usually increases our odds of a successful trade, as it is typical to see robust price action post this.



Listed below are key pointers in a BUY setup:

- ATM Breakout Catcher plots a Blue Bar & Vertical Line on the chart
- ATM Zone Detector is Positive
- Buy above the high of the breakout bar, as this is the simplest test of strength.

Important Notes

- If the ATM ZoneDetector is hyperactive i.e., has a lime-coloured histogram, it adds further significance
- If the ATM ZoneDetector is at 0, consider ignoring the signal as there is a possibility of getting caught in a sideways / dormant zone.
- When going long, place a stop loss at a key support level. The stop / support level must be lower than the low of the breakout bar.
- To place stops mechanically, use the low point in the last 3-5 bars or wait for a sell to trigger to stop out.
- Exit partly on achieving a financial goal and finally when a sell setup triggers.

Listed below are key pointers in a SELL setup:

- ATM Breakout Catcher plots a Red Bar & Vertical Line on the chart
- ATM Zone Detector is Positive
- Sell below the low of breakout bar, as this is the simplest test of weakness.

Important Notes

- If the ATM ZoneDetector is hyperactive i.e., has a lime-coloured histogram, it adds further significance
- If the ATM ZoneDetector is at 0, consider ignoring the signal as there is a possibility of getting caught in a sideways / dormant zone.
- When going short, place a stop loss at a key resistance level. The stop / resistance level must be higher than the high of the breakout bar.
- To place stops mechanically, use the high point in the last 3-5 bars or wait for a buy to trigger to stop out.

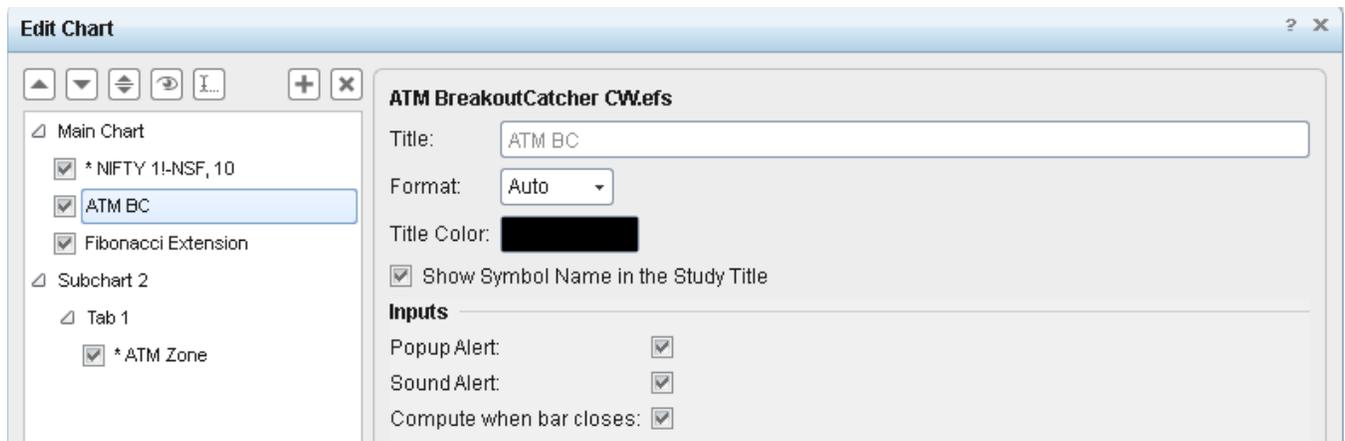
- Exit partly on achieving a financial goal and finally when a Buy triggers.
- It is recommended you plot the ATM Zone Detector and ATM Breakout Catcher on the same chart and save it as a Style Template.

Chart Properties & Settings

You additionally have the option to get Pop Up alerts With or Without a sound.

Compute when bar closes set to ON is advisable and default, as signals get stamped once the bar is completed rather than when in formation. Often by the time the bar closes its no more a Buy / Sell setup.

To access this menu, double click on the indicator plotted on the chart or simply right click anywhere on the chart, click on Edit Chart and then ATM BC



In addition, you could also apply the **ATM BreakoutCatcher – PS** indicator to your Watchlist. This PowerScreener quickly lets you know the Trend condition via color coded cells on the WatchList. It further stamps as well as voices Buy & Sell Breakout alerts for you. You may additionally apply the ATM ZoneDetector to your WatchList to refine the signal.

Symbol	Last	ATM BC, 5	Change
VALE	14.26		-0.09
AA	16.47	SELL	0.08
X	34.11		0.62
POT	35.15		-0.34
FCX	36.93		-0.29
IP	47.71		0.21
DOW	50.90		-0.17
BHP	71.17		0.08
KMB	104.77		0.90
MON	113.22		0.13

We've also given you the ultimate refinement, you could also apply the **ATM BC Sync - PS** to your Watchlist. This PowerScreener quickly lets you know the Trend condition via color coded cells on the WatchList. It further stamps as well as voices Buy & Sell Breakout alerts for you after checking that the ATM ZoneDetector is not Dormant.

Below is an illustration explaining its functionality. Note the first Symbol in the list does not throw up a BUY text under the ATM BC Sync column as the ZoneDetector is dormant at 0.

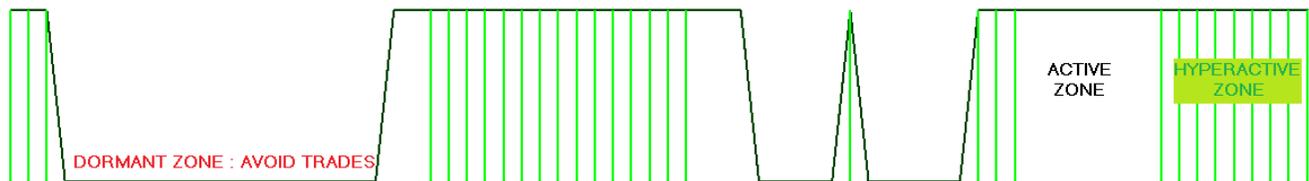
Symbol	Last	ATM BC, W	ATM Zone, W	ATM BC Sync, W
UJJIVAN.EQ-NSE	238.35	BUY	0.00	
PRESTIGE.EQ-NSE	347.00	BUY	1.00	BUY
JYOTHYLAB.EQ-NSE	174.10	BUY	1.00	BUY

ATM ZoneDetector

One of the greatest fears of an active trader is the fear of getting trapped into a trade which ends up negative due to sideways or subdued price and volume action.

It is of significant importance that we detect and trade signals that are backed with both price and volume action. The ATM ZoneDetector does exactly this and helps us decipher which Zone we are trading in.... DORMANT, ACTIVE or HYPERACTIVE

The ATM ZoneDetector lends itself as a confirmation / qualifier to all the various indicators. The Following illustration will help us understand the ZoneDetector better....



The 3 Zones defined by the ATM ZoneDetector....

Dormant Zone: When the indicator is at a value of 0 it indicates dormancy i.e., a lack of price or volume action. Hence, we should avoid taking fresh breakout type trades in this zone.

Active Zone: If the ATM ZoneDetector is at a value of +1 and there is no existence of a lime-colored histogram, it indicates that's fair price-volume activity and Breakout type trades can be taken.

Hyperactive Zone: If the Zone Detector is positive (i.e., at a value of +1) it indicates fair price-volume activity is in place. In addition, if you see a lime-coloured histogram within, it indicates strong price volume action or hyperactivity.

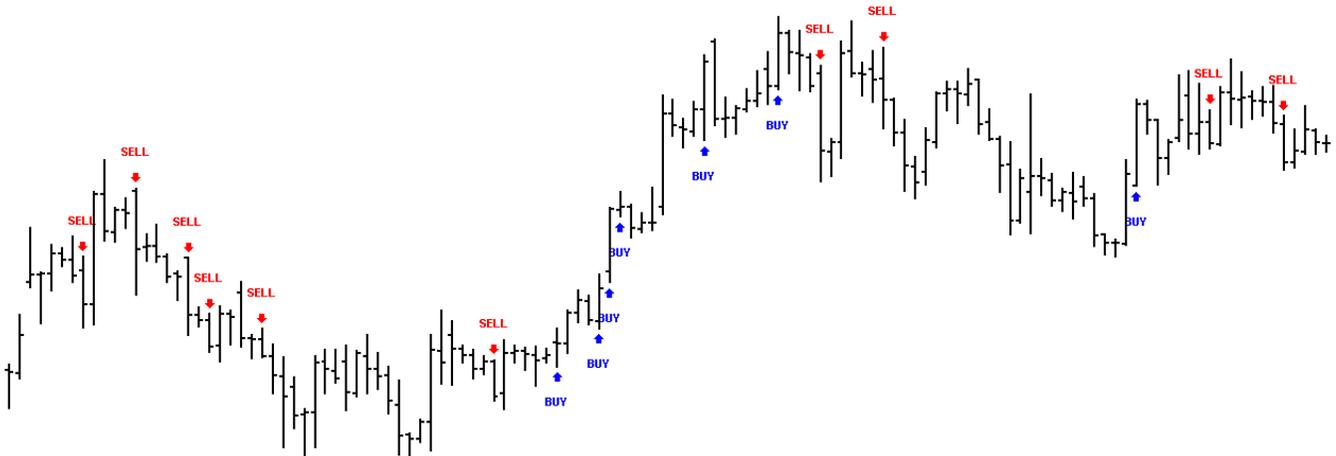
Trading for breakouts in active / hyperactive phases usually increases our odds of a successful trade, as it is typical to see robust price action post this.

Whilst the indicator is of primary use on the Chart Window, you may choose to apply the ATM ZoneDetector to your WatchList as well, here it would display the values of the indicator which in-turn would suggest if the Market is Active (+1) or Dormant (0)

ATM Counter Trend Indicator

(ATM CTI CW & ATM CTI - PS)

The ATM CTI (Counter Trend indicator) is designed to automatically stamp Buy and Sell signals on the chart based on price breakouts from zones of high volume and / or high volatility. It's designed to be a sharp yet automated signaling method that works best when viewed with a counter trend approach.



Whilst the other setups detect trend breakouts and try and set us into a major move, the ATM CTI is designed to provide you counter trend setups so that you can quickly identify key reversal points without much of a lag.

This is a preferred setup when trying to trade counter trend, i.e., in an attempt to pick a top / bottom. It's easy to use and comes in handy on almost any timeframe you're trading including intraday intervals as low as 3min and 5min. The indicator signals a buy or sell arrow when a price volume cluster is potentially breaking out.

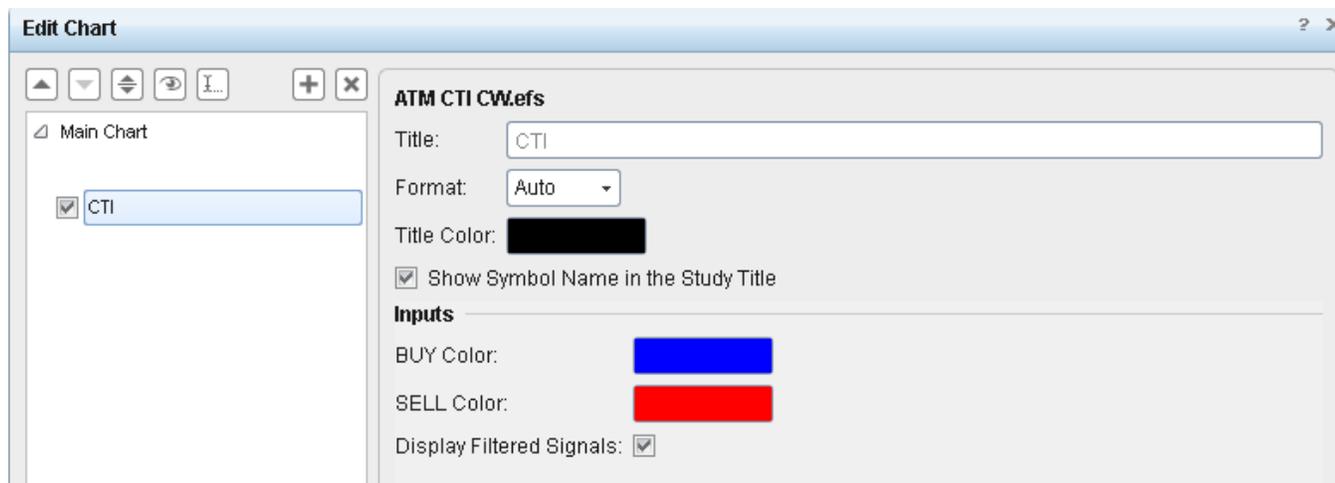
It is important to understand how we interpret and trade the ATM CTI, as we must not follow each and every arrow / signal. There will often be signals that we may need to filter and ignore. Amongst the many Buy / Sell arrows signaled on the chart, we should ideally prefer Buy signals that occur in after a fall, or are preceded by a downtrend. Likewise consider Sell signals that occur in a rise, or are preceded by an uptrend.

Finally, we should trigger a Buy trade once the high of the Buy signal bar is crossed, and similarly Sell if the Low of the Sell signal bar is broken down.

Since the ATM CTI is designed to be a leading indicator, it would not be out of place to say that when a Buy signal is stamped it is highly likely that conventional trending indicators may not be Bullish or supportive. Secondly you may also notice oscillators to appear towards oversold regions (vice versa). This should not be a concern, but rather a confirmation that a genuine counter trend Buy trade is in place.

A subsequent Buy arrow after an already triggered Buy arrow is only showing follow up and further breakout – we need not act on the 2nd buy arrow onwards as you are already long into the trade.

To help you filter out the signals on the above lines we have built an option to “Display Filtered Signals”. To enable this feature, simply access the ATM CTI CW indicator Properties. You could also right click on the Chart – click on “Edit Chart” and then select the ATM CTI if already applied on your chart.



Once you select the “Display Filtered Signals” options, the same chart (compare to the first illustration) is enhanced with more relevant signals.



Placing Stops & Targets

- ◆ Place a Stop loss at a key support level (this level must at least be lower than the low of the bar preceding the Buy signal).
- ◆ To mechanically place a stop, use the Fibonacci Retracement tool on the bar where you get an arrow. If a buy arrow click, on Fib Retracement and click, once on the Low and then once on the High, we could place our stops past the 161.8% level (vice versa for Sell)
- ◆ Frame up an exit strategy based on money management. Use a Risk : Reward > than 1:1.5 and work your way up. You could also wait for a sell setup to trigger, to fully exit a long trade

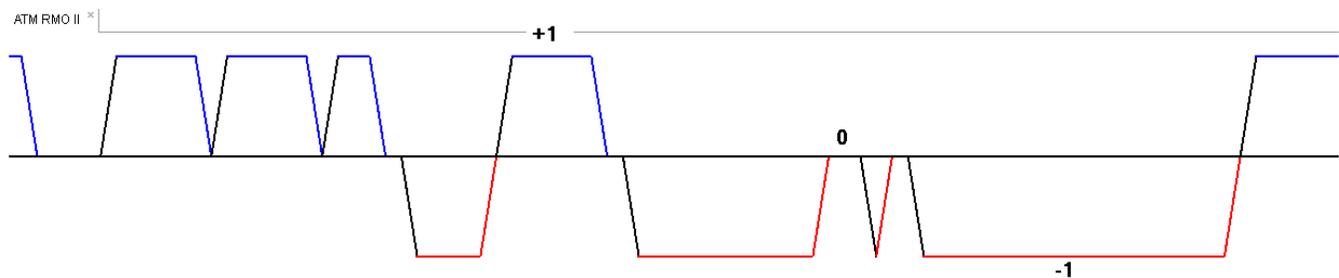
ATM RMO II

ATM RMO II CW & ATM RMO II - PS

The ATM RMO II is multi-faceted, it not only identifies with tremendous clarity the current established trend, but also lets you tactically detect trading opportunities that fit your trading style. The Options trader too would find the ATM RMO II exceptionally helpful as it would help Buy Call Options in a falling market and Put Options in a Rising market!

When the ATM RMO II is positive (Blue in color and at a value of +1) it indicates strength. Likewise, if the indicator hits a value of -1 in Red color it suggests weakness.

The illustration below shows how the indicator is displayed in your Chart Window.



The RMO II indicators can also be strategically used for trading Options, which not only can protect your risk but also work as a money multiplier in terms of profits.

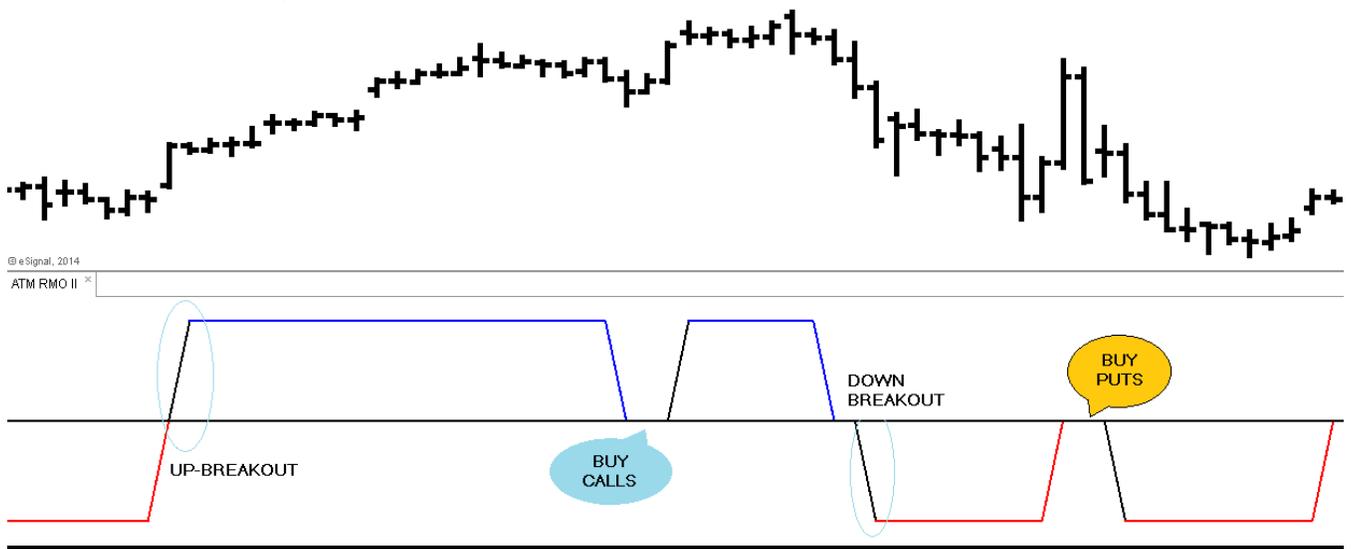
When the ATM RMO II goes positive (from a sell zone / downtrend or 0 level) one could initiate long trades above the high of the bar. The ATM ZoneDetector being positive (Active / Hyperactive) at this time, does provide additional confirmation to the signal.

Similarly for a sell signal, we must wait for the ATM RMO II indicator to become Red in color and drop to a value of -1, once this occurs consider short selling below the low of the bar. Here too, the ATM ZoneDetector could be an added confirmation.

Once the ATM RMO II pulls back to 0, consider taking a long Options strategy as the stock has paused / cooled off from higher levels. Since the stock has been correcting down one is likely to get Call options at a fairly attractive level turning the risk : reward odds much in your favor. You can even work to well-known options strategies like Bull Call Spreads or Strangles based on your risk: reward profile.

After the Blue ATM RMO II pulls back to 0 from +1, you'll notice that typically the stock bounces up to new highs after making a temporary bottom. This bounce up to new intermediate highs typically takes 5 to 20 bars in terms of time.

Likewise, when the Red ATM RMO II pulls back to 0 from -1, it's a point where we could Buy Put Options or implement Bearish Options Strategies. Here too the expectation is that the stock would fall to new intermediate lows in a short span of 5 to 20 bars.



To help you detect new trading signals simply apply the **ATM RMO II – PS study** to your **WatchList**. The PowerScreener would help you detect new BUY / SELL Breakouts as well as symbols that have Pulled Back to 0 and are potentially ripe for an Options Trade. You could further Edit Properties of the ATM RMO II – PS study based on your preferences for Voice Alerts / Email Alerts / Pullback Alerts / Color etc.

ATM RMO II - PS.efs

Title: ATM RMO II

Format: Auto

Header Text: [Redacted]

Header Background: [Empty]

Inputs

Interval: D

Look Back Period: 10

BUY Font Color: Blue

SELL Font Color: Red

e-Mail Alert:

Compute when bar closes:

Voice Alert for Buy / Sell:

Voice Alert for Pull Back:

Pull Back Font Color: Magenta

ATM Trend Intelligence Kit

ATM TiK CW and ATM Tik Osc

The ATM Tik is one of the latest additions to the ATM PowerScreener suite. It's engineered to be a high utility and integrated set of indicators that give a trader or investor a comprehensive understanding of the trend. More than just indicating Bullish or Bearish signals, it helps us asses the trend strength or quality, allowing us to grade our trades!

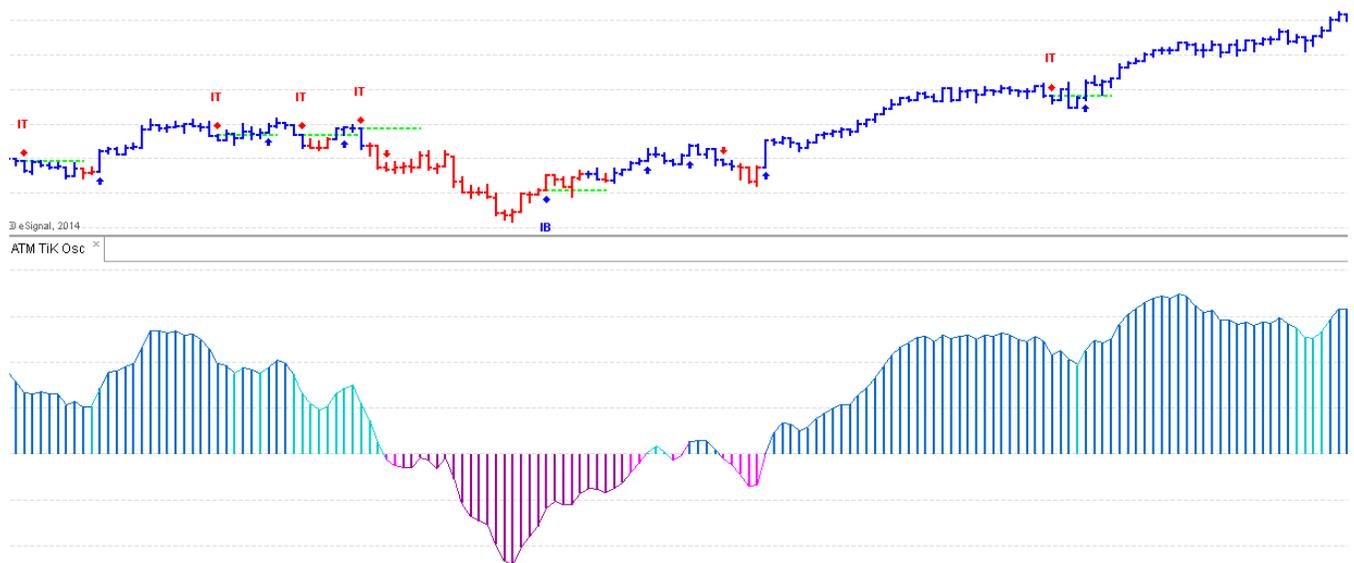
The concept is "feel the trend" before trading it, which is why we christened it the ATM TiK or Trend Intelligence Kit!

As we go along you would recognize how well knit the ATM TiK is, and how it could be used by short term or long term traders, be it with an aggressive or conservative trading style.

The ATM TiK has 4 core components that we need to understand.

- i. ATM TiK Oscillator
- ii. Arrow Signals
- iii. Bar Colors
- iv. Intermediate Top / Bottom signals (IT / IB) Signals

Before detailing these it's important to setup your screen right. We recommend loading the ATM TiK Osc and the ATM TiK CW on the same chart window. (It is further advisable to save this as a template). After doing so your Chart would appear similar to the illustration below...



ATM TiK Oscillator

The ATM TiK Oscillator detects the Primary Trend Direction as well denotes the Trend Strength. Hence this would be a most meaningful component of the ATM TiK suite. Interpretation of the ATM TiK Oscillator is fairly simple...

1. We expect an UPTREND when the ATM TiK Oscillator > 0

2. Likewise, a DOWNTREND is expected when the ATM TiK Oscillator < 0
3. The color on the ATM TiK Oscillator helps us further decipher the Trend Strength.
 A positive Dark Blue Oscillator indicates a strong level Bull Strength
 A light blue (Aqua) colored histogram denotes a lower level Bull strength
 When the Osc is negative in a Deep Purple color it indicates severe Weakness or Bear Grip
 A negative Pink histogram, also suggests weakness with a lower Bearish Tone

Whilst the colors of the ATM TiK Oscillator are fully customizable, the Default colors are as illustrated:



Arrow Signals

On applying the ATM TiK CW study to your chart, you would see Buy / Sell Arrows get stamped on the chart. These signals work as easy pointers for us, as they confirm a breakout is in place. What's best is the Buy arrows are pre coordinated with the Oscillator. Hence a BUY Arrow can only occur if the ATM TiK Osc is >0 i.e., Bullish. A final bit of confirmation from the Bar Colors would be helpful.

Bar Colors

When you apply the ATM TiK CW study you also notice that the bars on your chart get automatically shaded in a Red or Blue color (If not, then remove any other study that you may have already applied).

The Red and Blue bar colors are based on short term trend breakouts, these breakouts could obviously grow out further into a longer-term trend (which is what we have our Eagles Eye on). As the colors are sensitive to current price action, it is to be used in conjunction with signals of the ATM TiK Osc and Arrows before taking a trade.

Hence the TiK TREND TRADE setup is as follows:

BLUE Bar + Buy Arrow = Consider a BUY above the High of the Bar
 Place your STOP at the IB dotted line, or at the immediate bottom when going Long.

RED Bar + Sell Arrow = Consider a SELL below the Low of the Bar
 Place your STOP at the IT dotted line, or at the immediate top when going Short.

The color of the ATM TiK Osc would further add weight to the signal. For example, Going Long on Dark Blue could be a stronger signal. Often a Buy trade could start with a Light Blue Oscillator and later progress into a Dark Blue. The Dark blue histogram is no doubt the final confirmation of trend.

It is also advisable to give greatest weight to the first breakouts

Intermediate Top / Bottom signals (IT / IB) Signals

Another unique ability the ATM TiK CW has, is to stamp in advance / real time what it believes could turn out to be a potential Intermediate Top (IT) or an Intermediate Bottom (IB)

In addition to stamping a Diamond Shape and Text Label "IB" OR "IT" on the bar, it also automatically plots a lime / light green dotted line indicating your Stop and / or Reverse Level.



It is not advisable to blindly go long on seeing IB or short when you see IT. Try to further validate the authenticity of the signal. For example, an IT signal tends to work more effectively if...

You are at a strong resistance zone

The high of the IT bar (marked dotted line) is not crossed and the low is broken

The ATM TiK Oscillator has a negative transition in color (Dark Blue has moved to Light Blue / Pink / Purple)

In addition to the IB and IT signals sensitizing us on potential tops / bottoms, it gives us another very meaningful trade setup called the "SQUEEZE"

The ATM TiK "Squeeze" setup is described below:

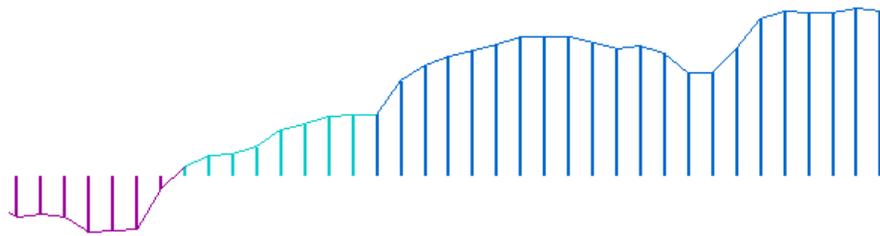
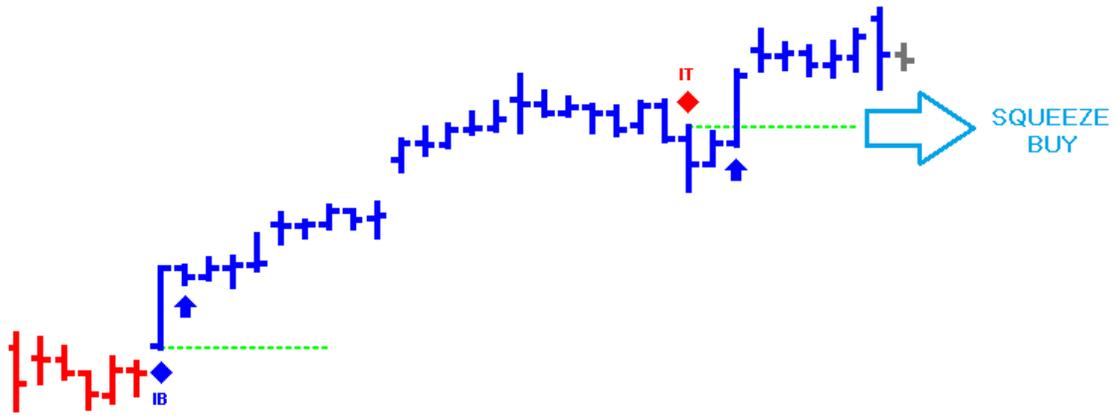
The SQUEEZE is a great short term trading setup with an attractive Risk:Reward ratio. It works off the IB and IT levels. A SQUEEZE Buy occurs, when an Intermediate Top is signaled and fails, we may aggressively use it as a Buy Opportunity (vice versa). When going long consider trades where the ATM TiK Osc is positive and dark blue. To add confirmation to the SQUEEZE Buy, check that Bar Colors are Blue as well. You would notice that the Risk is fairly contained as we may use the same bars high and low to trigger Entry and Stop levels.

On the other hand, a SQUEEZE Sell occurs, when an Intermediate Bottom fails, and price breaks the green dotted line. This would be considered this as an aggressive Sell Opportunity. When going short we should check the ATM TiK Osc is negative and deep purple. To add confirmation to the SQUEEZE Sell, check the Bar Colors are Red as well. You would notice that the Risk is fairly contained as we may use the same bars High as a Stop, and its Low as an Entry level for the short trade.

To simplify the ATM TiK "SQUEEZE" Buy setup

IT Marked + Dark blue ATM TiK Osc + Blue color bars

Buy a few ticks above the dotted line / high with a Stop past the Lows.
 Work to a minimum Risk:Reward ratio of 1:1.5

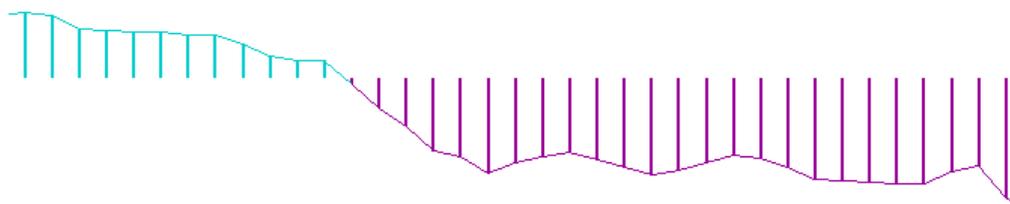
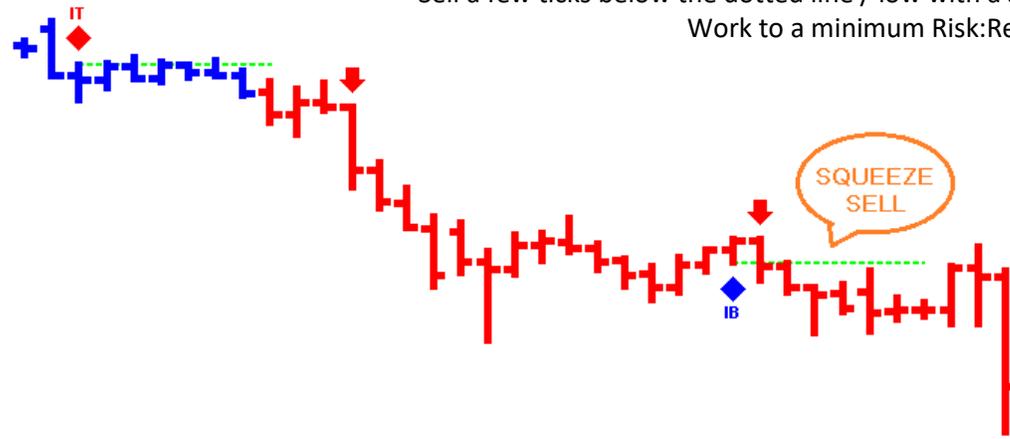


To simplify the ATM TiK "SQUEEZE" Sell setup

IB bars + Purple ATM TiK Osc + Red color bars

Sell a few ticks below the dotted line / low with a Stop past the Highs

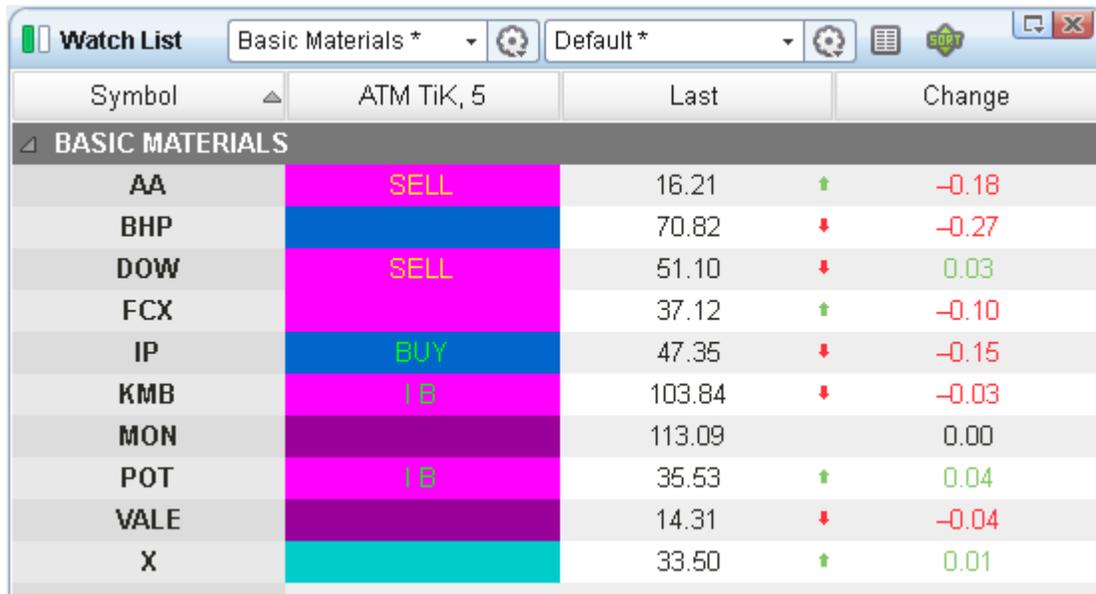
Work to a minimum Risk:Reward ratio of 1:1.5



ATM Trend Intelligence Kit PowerScreener's

ATM TiK – PS, ATM TiK Sync – PS, ATM TiK Sto – PS, ATM TiK Don – PS

The ATM TiK module is backed by an equally robust PowerScreener, titled **ATM TiK – PS**, as you would notice in the illustration below, by adding this study to your WatchList you would get live alerts for ATM TiK Trend Buy / Sell signal (including a “Power Buy” / “Power Sell” Voice Alert). Additionally, you also get color coded cells on the WatchList that depict the ATM TiK Osc color as well as IB / IT pointers.



The screenshot shows a 'Watch List' window with a table of stock symbols and their ATM TiK signals. The window title is 'Watch List' and it has a dropdown menu set to 'Basic Materials *'. The table has four columns: 'Symbol', 'ATM TiK, 5', 'Last', and 'Change'. The symbols listed are AA, BHP, DOW, FCX, IP, KMB, MON, POT, VALE, and X. The ATM TiK signals are color-coded: AA (Magenta, SELL), BHP (Blue), DOW (Magenta, SELL), FCX (Blue), IP (Blue, BUY), KMB (Magenta, IB), MON (Purple), POT (Magenta, IB), VALE (Purple), and X (Cyan). The 'Last' column shows the current price, and the 'Change' column shows the change in price with a green up arrow or red down arrow.

Symbol	ATM TiK, 5	Last	Change
AA	SELL	16.21	↑ -0.18
BHP		70.82	↓ -0.27
DOW	SELL	51.10	↓ 0.03
FCX		37.12	↑ -0.10
IP	BUY	47.35	↓ -0.15
KMB	IB	103.84	↓ -0.03
MON		113.09	0.00
POT	IB	35.53	↑ 0.04
VALE		14.31	↓ -0.04
X		33.50	↑ 0.01

It would be safe to say the ATM TiK is one of the most loved tools, with so much depth this study was soon becoming the refiner for various other indicators users were accomplished at using. Hence, after deeper research and user feedback we created two blended studies, one where the TiK is positive alongside the Stochastics and where the TiK confirms with a signal on the Donchian Channels. These studies are titled **ATM TiK Sto – PS** and **Tik Don – PS** respectively. There is additionally an TiK Don- CW for the chart window should you require that as well.

For those in the quest for simplicity, you best bet to is the included **ATM TiK Sync – PS** study which only shows up for those symbols that have a new Arrow signal with a supporting TiK Oscillator.

ATR%

Overview

The Average True Range ("ATR") is a measure of volatility. It was introduced by Welles Wilder in his book, [New Concepts in Technical Trading Systems](#), and has since been used as a component of many indicators and trading systems.

Interpretation

Wilder has found that high ATR values often occur at market bottoms following a "panic" sell-off. Low Average True Range values are often found during extended sideways periods, such as those found at tops and after consolidation periods.

The True Range indicator is defined by Wilder to be the *greatest* of the following for each period:

- The distance from today's high to today's low.
- The distance from yesterday's close to today's high.
- The distance from yesterday's close to today's low.

The Average True Range is simply the *average* of the true ranges over the past x periods (where x is specified by the user). You may view access the standard ATR (not ATR %) under the eSignal built in studies.

What the ATR % does is to refer to the ATR Value as a percentage, so that we may gauge how volatile a symbol is on a percentage basis. Whilst this may help while trading options, it can be very helpful to traders looking out for symbols that exhibit large percentage price action.

Let's take a hypothetical example - we have a trader that aims at making 1% on a daytrade and he's trying to detect which stocks offer higher volatility and that too consistently. If he trades a symbol where the ATR% is 1.5 he has a tougher task than trading a symbol that has an ATR% of 4.

Whilst this is not a Buy and Sell mechanism, it certainly helps one get an insight on volatility as a percentage level. We can apply this indicator on a Price chart to get a sense of how the ATR% is moving, or add it to your WatchList to get a sense of the volatility. Those looking for higher / lower ATR % stock can use the sort feature on the WatchList.

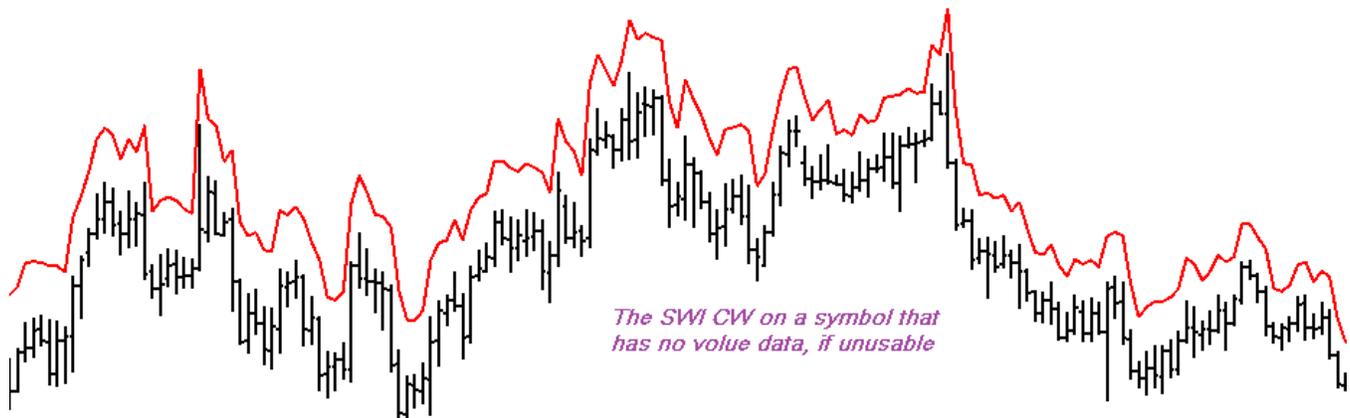
By Default, the ATR% is set at 21 period, however this may be edited to your preference.

ATM Strength Weakness Index

ATM SWI CW & ATM SWI - PS

Whilst many indicators work purely off price and detecting trend change on price breakouts, the ATM SWI works more diversely i.e., by essentially factoring in the volume component. Hence the ATM SWI uses volume as an essential ingredient which makes it an excellent indicator to gauge Strength and Weakness.

On the flip side this also means, that while interpreting the ATM SWI we need to look at symbols that specifically offer volume data. At times we may be looking at an Index or FX Spot symbol which does not carry volume data; here the SWI would plot incorrectly (typically a red parallel line running above the highs)



When price closes past the SWI line it indicates strength, likewise when price closes below the SWI line it suggests weakness or a potential shorting opportunity.

The SWI updates dynamically in real time with every tick of price and volume. To make interpretation easier when you see a Red Line above the price bars it indicates weakness as the close is lower than the SWI Line. Similarly, a Blue Line below the Price bars suggests strength as the close is higher than the SWI Line.

Hence the optimal point to consider trend change is when the Price goes past (i.e., closes past) the SWI Line for the first time.

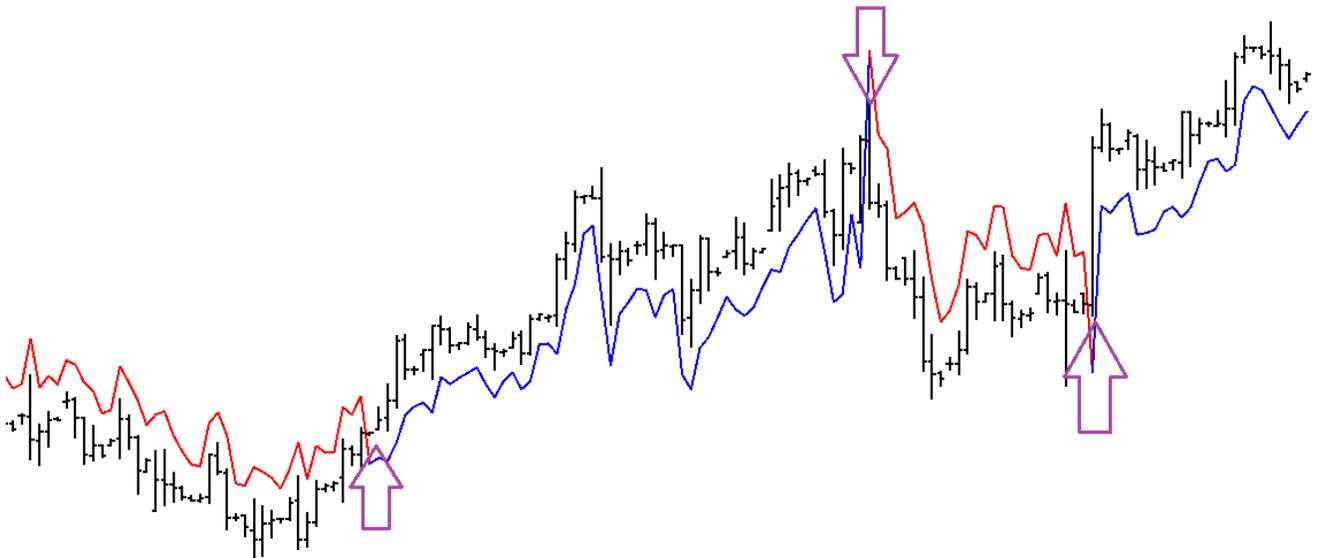
A second way to use the SWI, is to utilize corrections in an established trend as re-entry opportunities. During the pullbacks (typically 3 or more correcting bars) in an already established trend, we could consider areas of support or counter trend signals as re-entry or mid-trend entry opportunities.

Last but not least you may like to use the ATM SWI as a filter to regular Breakout strategies which typically use price data and not volume data. The ATM SWI blends in the volume aspect to the trend and this often creates all the difference.

In all cases use the SWI level as your stop, whilst this level is dynamic, you may consider the Signal Bars value as your initial trading stop.

When you access the indicator Properties you would notice that we have given you the flexibility to adjust the Pace of the Indicator. However, for starters you should consider staying with the standard preset Pace i.e., 3.

Also included is an ATM SWI – PS which auto detects trend change opportunities by stamping Buy & Sell signals automatically and in real time straight on your WatchList. Here you also have the ability to set voice and email alerts.



ATM Trend Decider Suite

The TrendDecider Suite comprises of a set of 3 Major and 5 Internal studies....

The 3 major indicators that you would be applying are...

TD Levels FullView CW

TD AutoInterpret CW

TD AutoInterpret - PS

However, what's intricately interlaced in the above are 5 key TrendDecider levels viz....

Trend Decider Daily

Trend Decider Intraday

Trend Decider Monthly

Trend Decider 2Weeks

Trend Decider Weekly

The Objective of the TrendDecider suite is fairly simple, which is to give you single levels of Support / Resistance plotted on your price chart, which when broken out should result in a change in trend. As the name suggests the level plotted is the deciding factor and denotes if the trend is "Bullish" or "Bearish"

One of the clear-cut advantages of using the Trend Decider tools is the fact that it allows you to integrate multiple timeframes onto one single interval chart giving you a more holistic view of the trend!

What's further interesting is the fact that these levels stay the same despite you using any timeframe / interval. For example, you may use a 5min chart or a 30min chart, the Trend Decider level displayed would be the same for the entire specific day. This is because these levels are computed on close with specific preset time horizons, and not calculated in real time as it would result in too many signals with constant change.

Trend Decider Daily

- Displays a Green / Lime coloured horizontal line on the chart
- The study should be plotted on timeframes lower than Daily
- The level does not change during the day and is static across time intervals
- It indicates the Trend Decider level for the Day, i.e., ideally consider a breakout as a signal of trend change for the Day

Trend Decider Weekly

- Displays a Red coloured horizontal line on the chart
- The study should be plotted on timeframes lower than Weekly
- The level does not change during the entire calendar week and is static across time intervals
- It indicates the Trend Decider level for the Week, i.e., ideally consider a breakout past the Weekly level as a signal of trend change for the Week

Trend Decider 2 Weeks

- Displays a Blue coloured horizontal line on the chart
- The study should be plotted on timeframes lower than Weekly
- The level does not change for 2 Weeks and is static across time intervals
- It indicates the Trend Decider level for 2 Weeks, i.e., you may consider a breakout past this level as a signal of trend change for about 2 Weeks

Trend Decider Monthly

- Displays a Pink coloured horizontal line on the chart
- The study should be plotted on timeframes lower than Monthly
- The level does not change during the entire calendar month and stays static across time intervals
- It indicates the Trend Decider level for the Month, i.e., ideally consider a breakout past the Monthly level as a signal of trend change for the Month

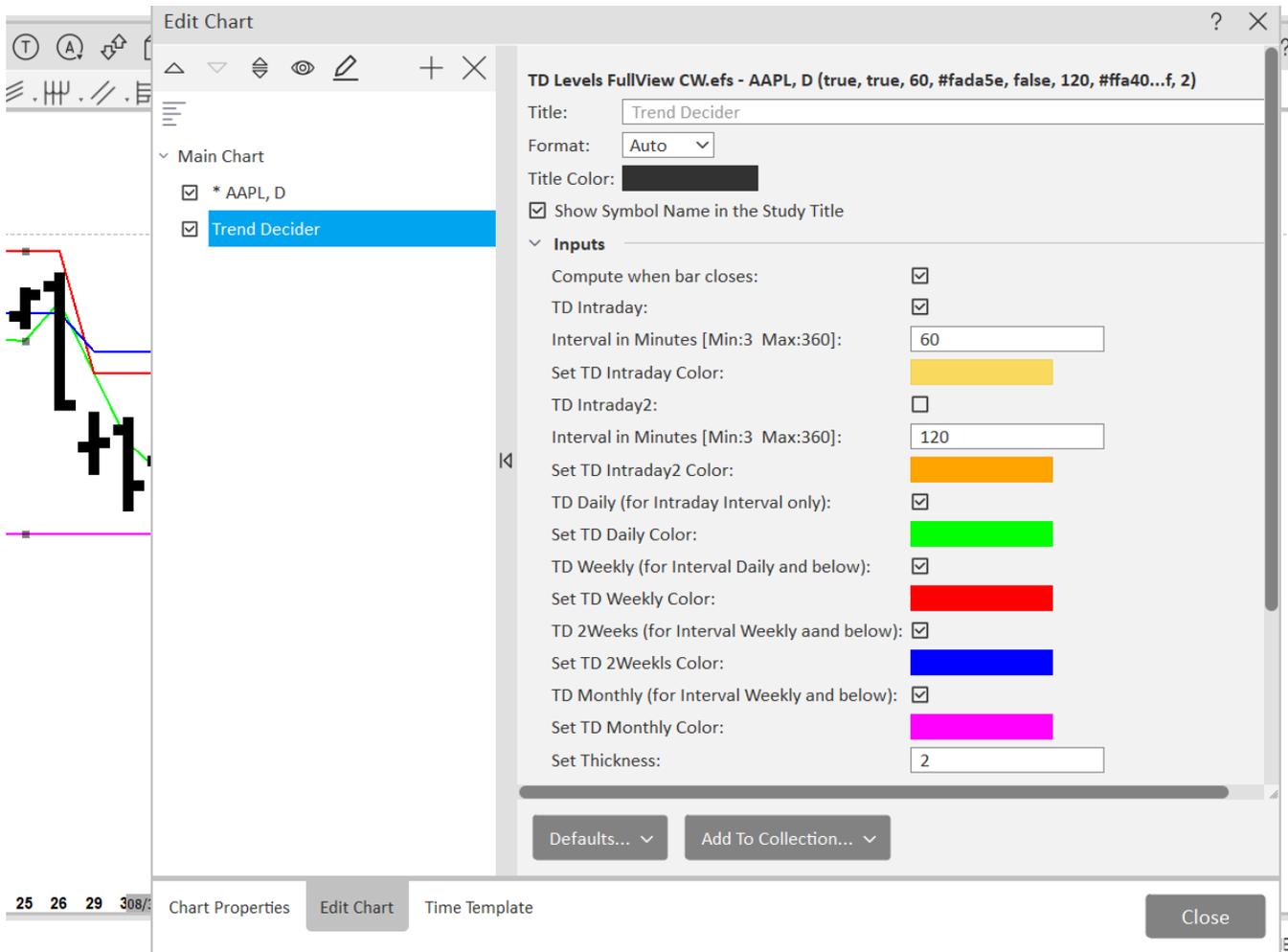
Trend Decider IntraDay

- Displays a Yellow coloured horizontal line on the chart
- The study should be plotted on timeframes lower than what you have set (For example if the indicator is set to calculate the Trend Decider Level for an hour, you should apply the study on a chart lower than 60min)
- Assuming you set the indicator to work off an hourly chart i.e., 60, the level does not change during the entire hour, and stays static across time intervals
- It indicates the Trend Decider level for the specified number of minutes, i.e., ideally consider a breakout past the IntraDay level as a signal of trend change for the set period of time.
- It calculates off a 60min / Hourly timeframe by default; however, this is user configurable under properties.

TD Levels FullView CW

Whilst you may find individual TrendDecider levels themselves to be fairly helpful, the core strength of the study is when you blend in the various indicators all onto one single chart and timeframe. This is why we built for you the **“TD Levels FullView CW”** indicator. By applying this one study to your chart you would automatically plot all 5 TrendDecider Levels in one go. (On application you would see a Yellow TD Intraday, a Red TD Weekly, a Green TD Daily and a Pink TD Monthly Level)

You could further set preferences by right clicking - Edit Chart (else simply double click on the indicator applied). Here you could choose a Thickness value (a value of 2 is set as default, to increase the display thickness of the level use a higher value), you can also set individual color choices, as well as set the timeframe to which you would like the TD Intraday to work off. You also have the option to turn off the display of any particular Trend Decider Levels. So, let's say you want to see all levels accept the TD Intraday level, simply uncheck the same from the indicator properties.



TD AutoInterpret CW

Whist there are several ways you could work with the Trend Decider Levels, one proven path you could adopt is using a Sync of the TD Daily & TD Weekly levels. This can be particularly helpful if you are trading intraday interval charts.

What we are looking for?

To start with let's apply the Trend Decider Daily and Trend Decider Daily Weekly on any one interval chart (for example 60min)

The 3 signs of Strength (BULLISH)

Close above TD Daily Level (Green)

Close above TD Weekly Level (Red)

The final check for strength is if the Green TD Daily Level is above / goes above the Red TD Weekly Level

The **TD AutoInterpret - PS** when added to your WatchList will highlight for you which stocks are BULLISH.

It would mark the cell with a text "BULLISH" if all the above 3 criteria are met.

If only 2 of the above criteria are met (i.e., Close is below Daily, Close is above Weekly and TD Daily is higher than TD Weekly level) it would only mark the cell with a text "+++".

The 3 signs of Weakness (BEARISH)

Close below TD Daily Level (Green)

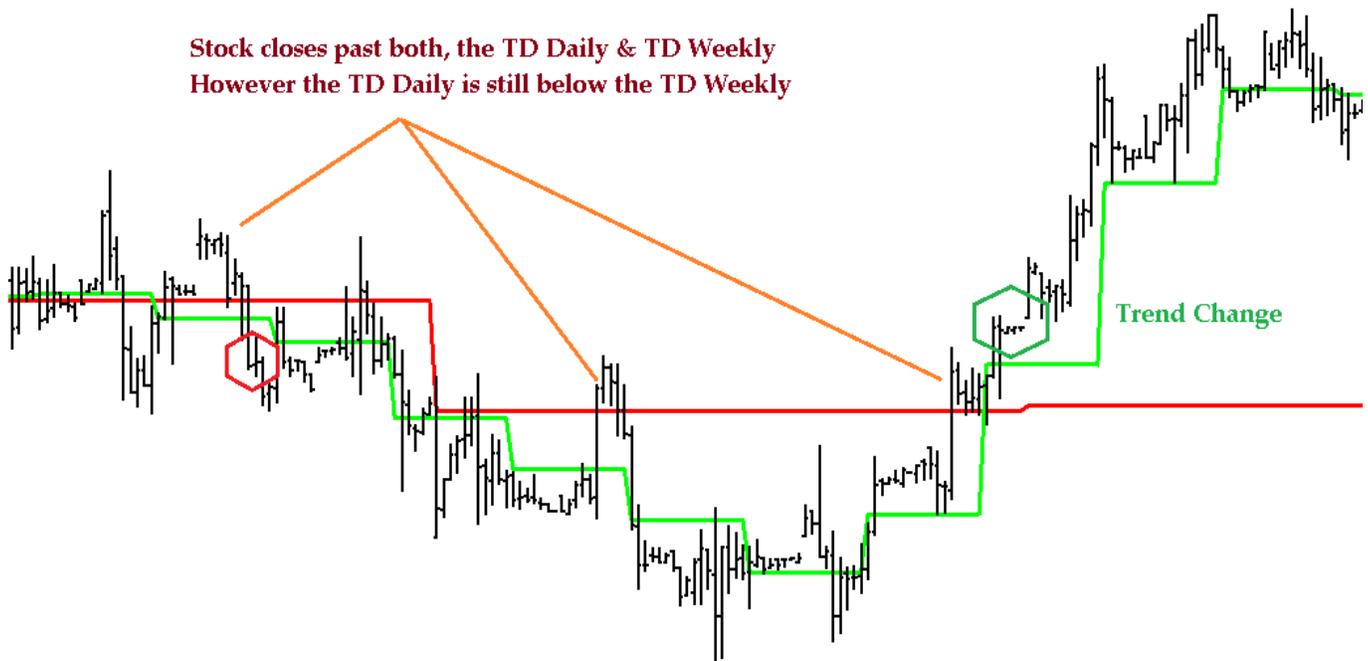
Close below TD Weekly Level (Red)

The final check for weakness is if the Green TD Daily Level is below / goes below the Red TD Weekly Level

The **TD AutoInterpret - PS** when added to your WatchList will highlight for you which stocks are BEARISH.

It would mark the cell with a text "BEARISH" if all the above 3 criteria are met.

If only 2 of the above criteria are met (i.e., Close is above Daily, Close is below Weekly and TD Daily is lower than the TD Weekly level) it would only mark the cell with a text "--".



eSignal, 2014

Trend Change Points: Trend Change is detected when for the first time all the 3 criteria of Strength and Weakness are detected. Ideally wait for the high / low of the signal bar to taken out for a confirmation.

The **TD AutoInterpret - PS** when added to your WatchList, will highlight when such Trend Changes occur...

This could be done via a Voice Alert, where it would voice out "Trend Change" alert.

You could also see a text alert on your WatchList ***BULLISH* or *BEARISH***

Symbol	Last		Trend Decider, 240	Change
VALE	14.25	↑	*BEARISH*	-0.10
AA	16.46	↓	---	0.07
X	34.03	↑	BULLISH	0.54
POT	35.14	↑	BEARISH	-0.35
FCX	36.87	↓	BEARISH	-0.35
IP	47.68	↓	---	0.18
DOW	50.89	↓	BEARISH	-0.18
BHP	71.16	↑	BEARISH	0.07
KMB	104.82	↑	---	0.95
MON	113.15	↓	BEARISH	0.06

Visual understanding of the TD AutoInterpret CW

To automate and demystify the interpretation, a study that automatically interprets the entire suite (keeping the TD Daily & TD Weekly as the base) is prebuilt.

Histograms

The study marks histograms on your chart; the colour of each histogram bar is representative of the trend qualification.

BLUE: A Blue Histogram appears when all 3 Bullish Criteria are met (Price is above TD Daily & TD Weekly & TD Daily > TD Weekly)

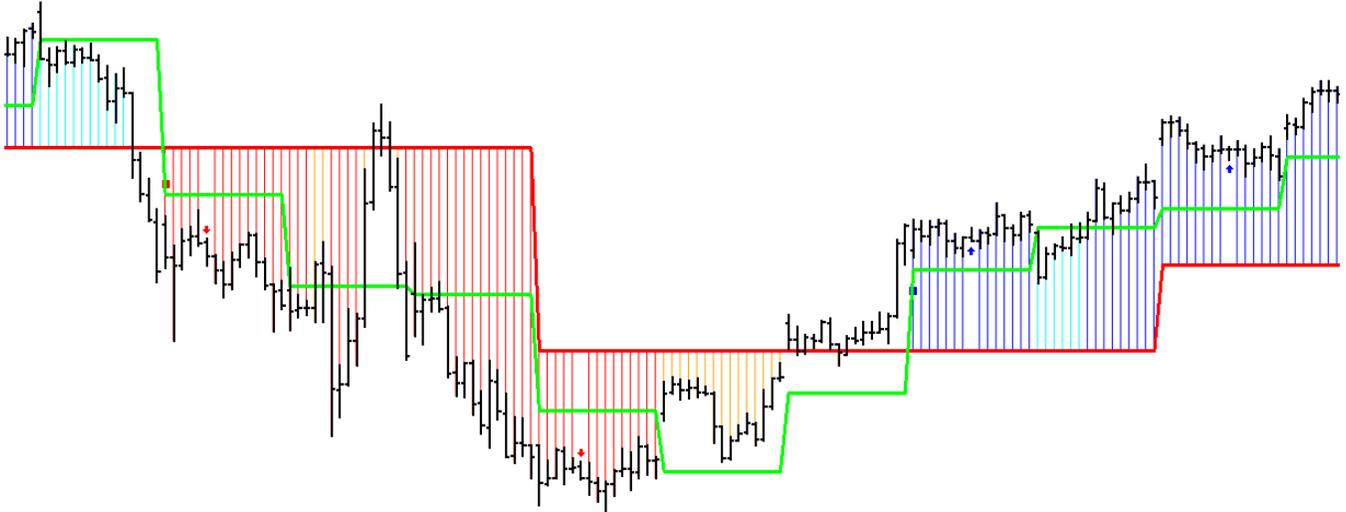
LIGHT BLUE: A Light Blue Histogram appears when only 2 Bullish Criteria are met

RED: A Red Histogram appears when all 3 Bearish Criteria are met (Price is below TD Daily & TD Weekly & TD Daily < TD Weekly)

ORANGE: An Orange Histogram appears when only 2 Bearish Criteria are met

The histogram is plotted from keeping the Red Weekly Level as a base line on the chart; hence it's a good idea to keep the **TrendDecider Weekly** indicator plotted on the chart along with **TD AutoInterpret CW**. You may further consider saving this as a Style Template.

Note: All colours referred to are defaults, you do however have the option to set / select your own colour preferences.



Trend Change SQUARE's

The **TD AutoInterpret CW** also auto detects Trend Changes by stamping a Blue / Red SQUARE on the histogram. The Square signals a potentially new trend is developing, it represents the precise point where the 3 criteria of Strength / Weakness were fulfilled.

Buy / Sell Arrows

It is understandable that at times traders miss the first signal / opportunity when the trend changed, however still technically believe that the trend is intact and likely to extend, making them lookout for a re-entry / mid trend entry opportunity. This is where the Buy and Sell Arrows on your chart can come in handy. Whilst these may not be the first or ideal point to take a trade, they are certainly worth considering. It is recommended not to go overweight on these signals, and focus more on the first trend change signal and at best the first two to three buy / sell arrows only.

TD AutoInterpret – PS: When added to your WatchList can highlight for you when such re-entry / mid-trend entry opportunities occur. This could be done via a Voice Alert, where it would voice out “Trend Decider Buy *symbolName*” or “Trend Decider SELL *symbolName*”. There is also a text alert on your WatchList “BUY” or “SELL”

It's this all-round Integration of the Trend Decider Suite that makes it such a practical and effective methodology! With more experience with the TrendDecider suite you'd rediscover the most powerful combinations for your Trading Style. Whilst the TrendDecider Daily & Weekly levels give the system a firm backbone and make a great launch pad, you should consider fitting it in for your trading style and timeframe. For all you know, you may prefer a TD Daily & TD Monthly combination or for that matter a TD Intraday & TD Weekly combination!

In the October 2022 release, we have further elevated the possibilities especially for the short-term intervals. **The “TD Levels FullView CW” study now gives you the ability to plot two TD Intraday levels in one go on your chart. Above all you can now have TD Intervals as low as 3min!**

We also Updated TD AutoInterpret CW & PS: In line with the above updates, we also ensured you can scan with ease using two TD Intraday Levels. Simply set the TD Long Period and TD Short Period both as INTRADAY (Hence you can plot combinations like TD 3min vs TD 15min or any other combination you prefer!)

TD Break – PS and TD Steps

The TrendDecider Suite is so easy yet so versatile. Users understandably deploy these levels in various ways, some as an entry model, some as an exit model, many as a trailing stop!

To add another perspective, we built the **TD Break PowerScreener** that detects when prices breakout past a TD level of your choice. This instantly alert you of a such a price breakout on any stock list / interval of your choice.

In addition, it's also been observed that there tends to be a major trend change when the "Step" direction changes and this too was automated into **TD Steps study** that will alert you of both UP and DWN steps using a TD level of your choice! The illustrations below further outline this dimension:



TD Break, 15	TD Daily Steps
	DUD,DOWN STEP
	UUD
TDW Up Break	UUD,DOWN STEP
TDD Up Break	
	DUD,DOWN STEP
TDD Up Break	

TDD = TrendDecider Daily

TDW = TrendDecoder Weekly

Break= Last price now past TD level

U=UP D=DOWN

UUD / DUD / DDU / UDU indicate the last 3 step moves

DOWN STEP / UP STEP = Potential change in Trend

Bar Behavior CW

"Price is Supreme and Discounts everything". The simple looking OHLC price bar, is truly one of the most important building blocks of technical analysis - it describes and defines the trading action in a symbol for a given period.

It is important to read market sentiment via the behavior of the price action. We could interpret various scenarios such as a bar that's tall, a bar dominated by stronger buyers, or a bar dominated by stronger sellers, or a small ranged indecisive bar etc.

The Bar Behavior study is not a primary tool of trend detection; however, was built to help us revisit some important basic bar patterns in an automated way. As these patterns are counter trend in approach, they tend to flag for us early signs of trend reversal. Simply apply the study on your Chart Window and you would notice 4 types of signals appear on your price bars / candles.

◆ Buyers Bar with Selling Tendency

◆ Sellers Bar with Buying Tendency

▼ OUTSIDE Day Down Reversal

▲ OUTSIDE Day Up Reversal

All of the following patterns can be detected with simple comparisons with the previous bar. However, give significance to up reversals only after a falling trend and down reversal signals only after a rising trend.

Let us further discuss the above Bar patterns

Outside days are a signal of higher volatility days. This is represented in the bar as it has both, a higher high and a lower low in comparison to the previous bar. Their significance is enhanced with volume and these often provide Reversal trading opportunities. An Outside Day Up-Reversal (Dark Green Triangle) is stamped when an outside day occurs and it closes higher than the previous bars high as well. Consider these as reversal hints only if they occur in a downtrend.

Likewise, an Outside Day Down-Reversal (Red Triangle) is stamped when an outside day occurs and it closes lower than the previous bars low as well. Consider this as a hit of downward reversal only if it occurs in an uptrend.

Buyer & Seller Bars

A Buyers Bar could be defined as bar that has an increasing Highs and Lows (compared to the previous bar)

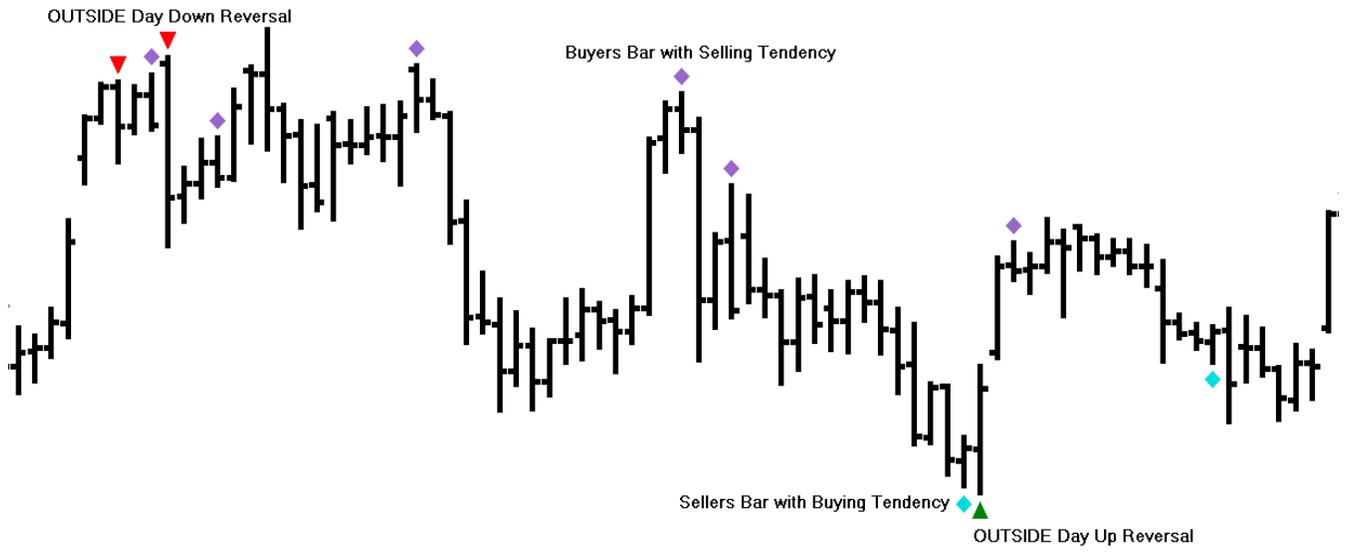
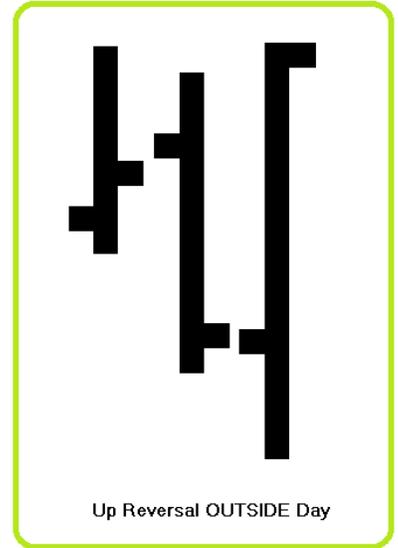
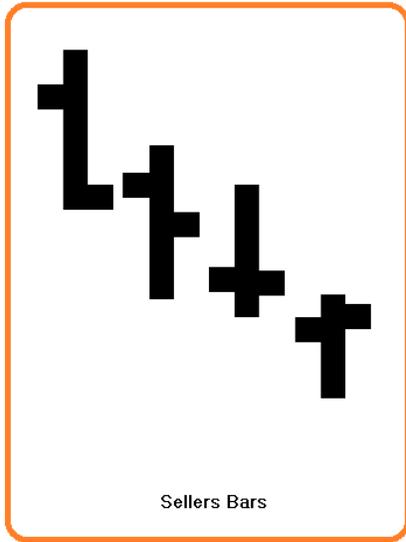
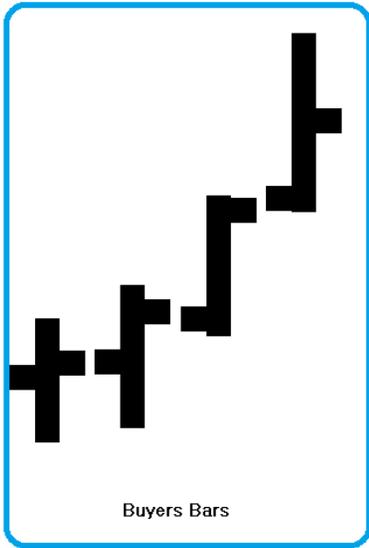
A Sellers Bar could be defined as bar that has decreasing Highs and Lows (compared to the previous bar)

Whilst you see several Buyers and Sellers Bars on a chart, from a reversal perspective what we're looking for are:

Buyers Bars that have a *weak close or selling tendency* (close below the open and midpoint)

OR

Seller Bars that have a *strong close or buying tendency* (close above the open and midpoint)



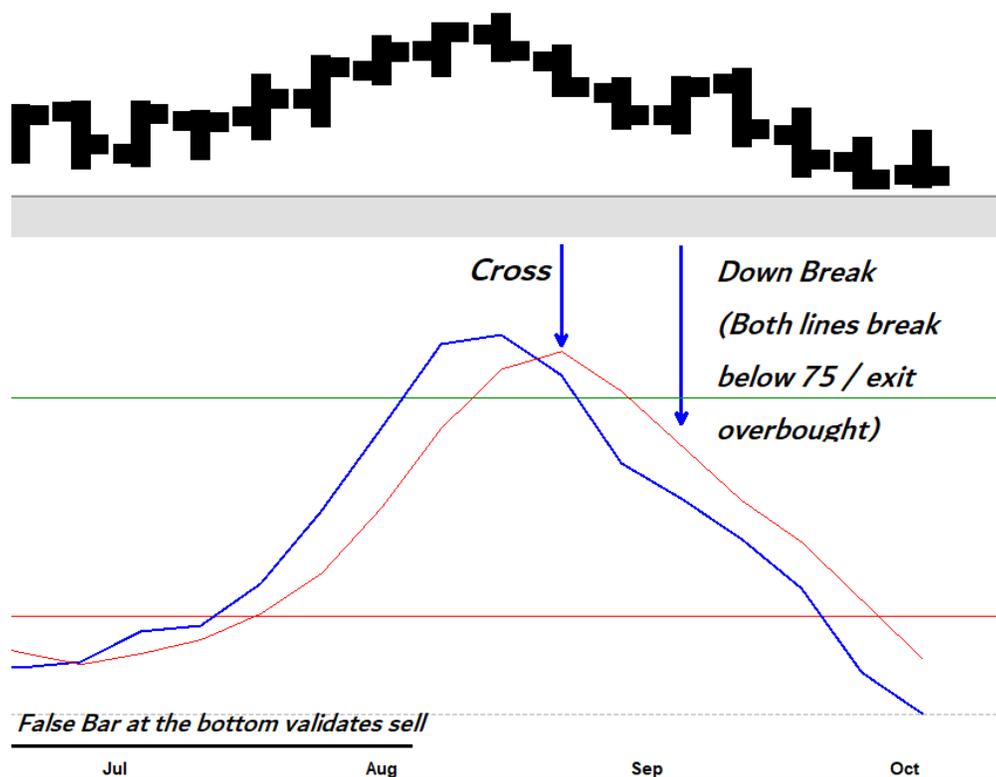
Stochastic – PS

The GET False Bar Stochastics is truly one of the oldest and most loved tools of the Advanced GET Users. It has the capability to help you wade out False stochastic signals and at the same time detect where the market gets sideways.

ATM PowerScreener users now get the new “Stochastic – PS” study which factors in all the key elements. Where you have a Crossover, Breakout along with a check for a preceding GET False bar.

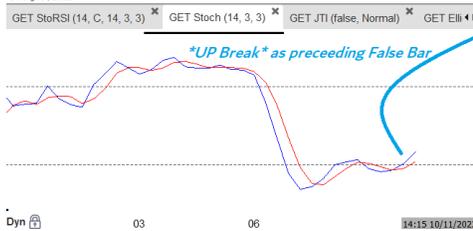
If you are looking for the most harmonious signals focus on **Crossover** OR **Break** on your Watch List.

Below are 2 illustrations to help you put this study in perspective:





Stock	Signal	Price
ASIANPAINTEQ-NSE	Stochastic - PS	3277.95
HEROMOTOCO.EQ-NSE	UP Crossover	2570.50
ULTRACEMCO.EQ-NSE	UP Crossover	6149.90
TATAMOTORS.EQ-NSE	UP Crossover	395.95
M.M.EQ-NSE	UP Break	1243.00
BHARTIARTL.EQ-NSE	"UP Break"	792.35
NESTLEIND.EQ-NSE	"UP Break"	19119.05
TITAN.EQ-NSE	"DWN Break"	2680.10
L.TEQ-NSE		1909.65
SBIN.EQ-NSE		530.75
BAJFINANCE.EQ-NSE		7293.40
HCLTECH.EQ-NSE		963.25



Stock	Signal	Price
M.M.EQ-NSE	UP Break	1243.00
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SBIN.EQ-NSE		530.75
BAJFINANCE.EQ-NSE		7293.40
HCLTECH.EQ-NSE		963.25

© eSignal, 2022
GET Stoch (14, 3, 3) GET JTI (false, Normal) GET EII

© eSignal, 2022
ATM TIK Osc Vol (current price bar) GET Stoch (14, 3, 3) GET Stoch (14, C, 14, 3, 3)

ASIANPAINTEQ-NSE 3277.95
HEROMOTOCO.EQ-NSE 2570.50
ULTRACEMCO.EQ-NSE 6149.90
TATAMOTORS.EQ-NSE 395.95
M.M.EQ-NSE 1243.00
BHARTIARTL.EQ-NSE 792.35
NESTLEIND.EQ-NSE 19119.05
TITAN.EQ-NSE 2680.10
L.TEQ-NSE 1909.65
SBIN.EQ-NSE 530.75
BAJFINANCE.EQ-NSE 7293.40
HCLTECH.EQ-NSE 963.25

Multi Osc

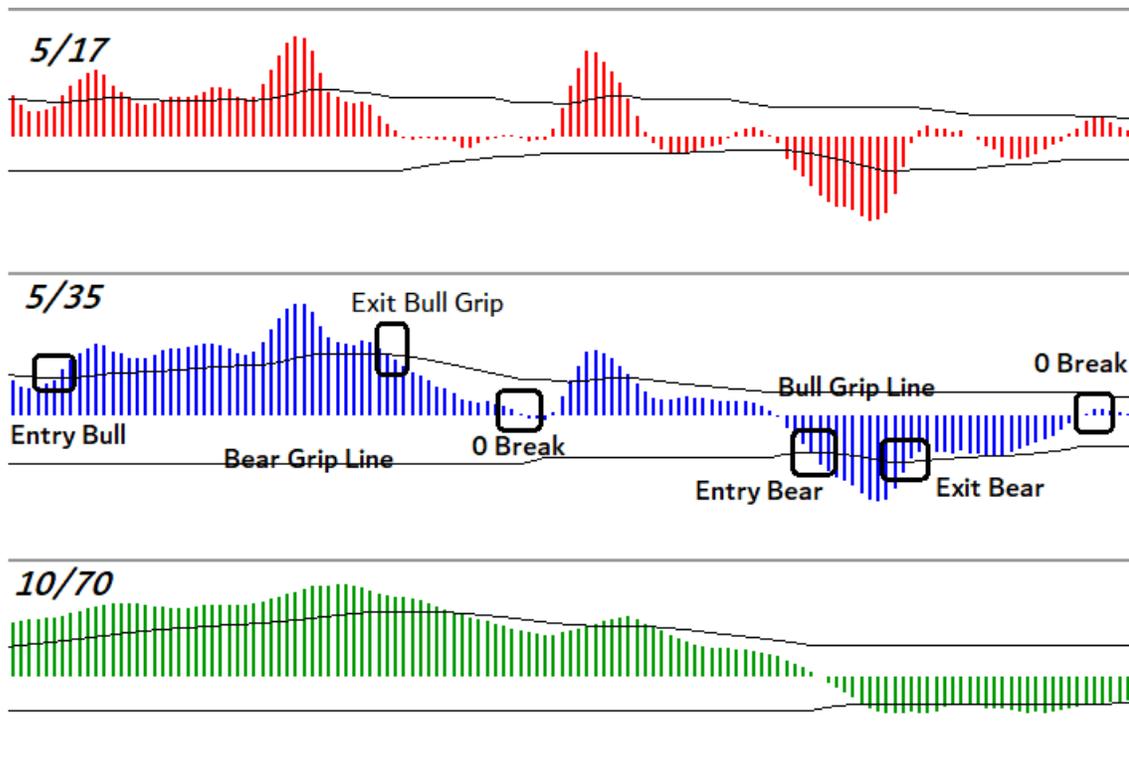
For Advanced GET users that deploy the popular Who's in Control (WIC) strategy and use the 3 Oscillators, the Multi Osc shall be a much-loved screener as it delivers signals to you as each Oscillator breaks into and out of its Strength Bands. In addition, the +++ and --- signals when the Oscillator just moved past the 0-equilibrium level. This study is not intended to be a trading system on its own but may insightful to many.

The 2 illustrations below help you to exactly gauge what this PowerScreener is capable of...

WatchList output (Note here we set the Font Color sync with Osc Color for ease)

OSC 5-17	OSC 5-35	OSC 10-70 ▼
DWN BRK		EXIT BULL
+++		EXIT BEAR
EXIT BEAR		DWN BRK
		+++
	EXIT BEAR	—
EXIT BEAR		
+++		
	UP BRK	

Chart illustration below with ref to the Blue 5/35 Oscillator, however the study can be used with all 3 Oscillators...



New Hi-Lo - PS

It's always good to be aware of what's moving, which is why the need for our WatchList to highlight those stocks that have hit a new Hi or Lo. The problem is most programs and platforms tend to focus on either the day hi or low or the 52-week high or low!

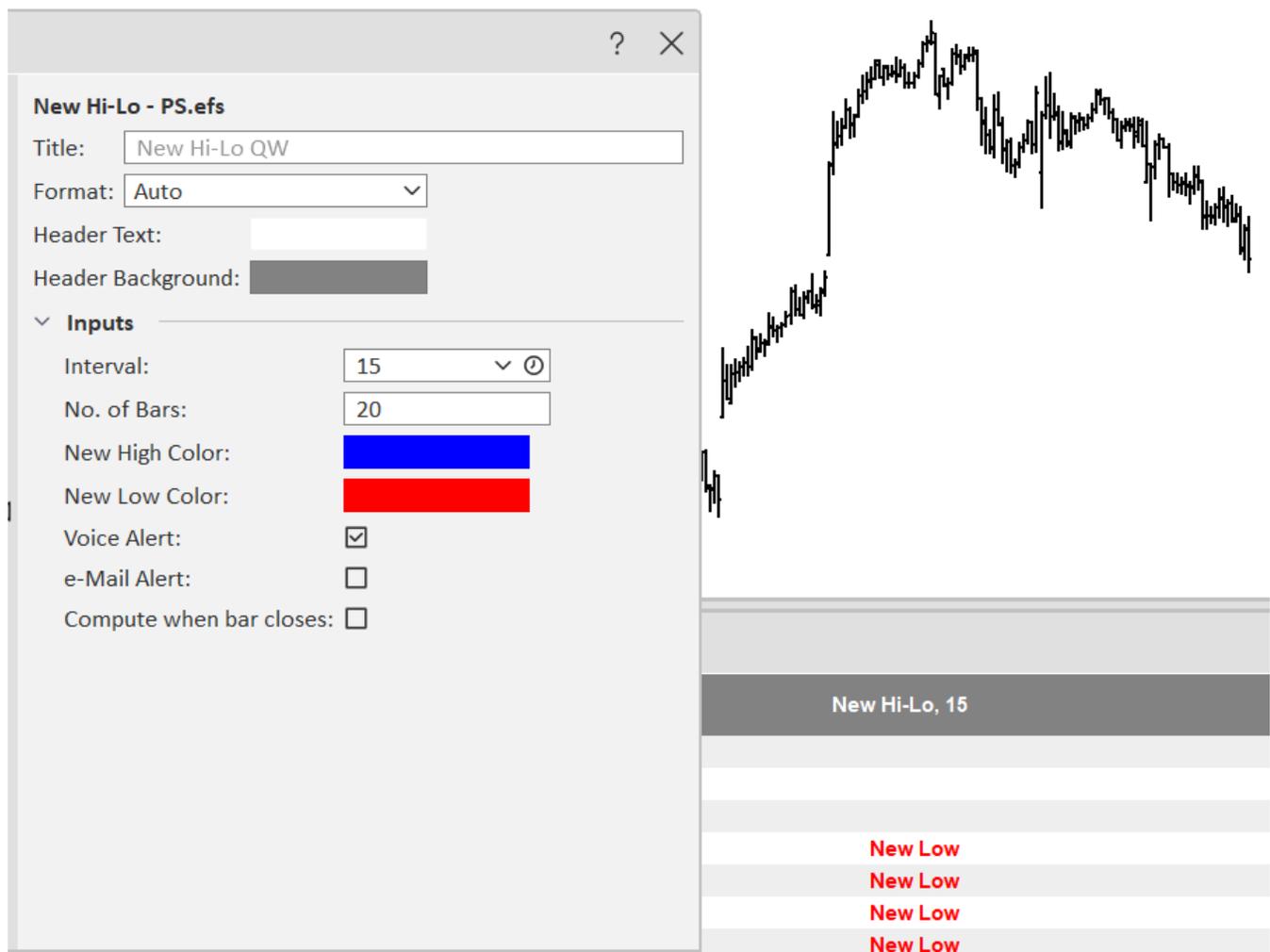
However as technical traders what matters to you may be something entirely different. For example, you may want an alert when you achieve a 20 Day High or Low

Or

If you are an intra-day trader you may want an alert as we hit a 20 Bar High or break a 20 Bar Low on a 15min chart interval.

This is exactly the flexibility we kept in mind when we designed this study. Scan it on symbols you want, on an interval that's relevant to you and a condition that helps you from a technical standpoint too!

To ensure no stone is unturned the study is backed with Voice alerts so that you never miss that trade again!



PV Screener – PS

The PV Screener or the Price Volume Screener offer you an amazing blend. Here you could hunt down stocks that have a Price and Volume pattern in sync. As they say an increasing or decreasing price with an inclining trend in volume reconfirms the trend and sentiment in place. Using the PV Screener, you can define your conditions and help spot those price volume patterns like never before.

You could scan for incline in O / H / L / C vs the and incline in Volume. In the illustration below we looked for 3 declining lows coupled with inclining volume on a 75min interval chart.

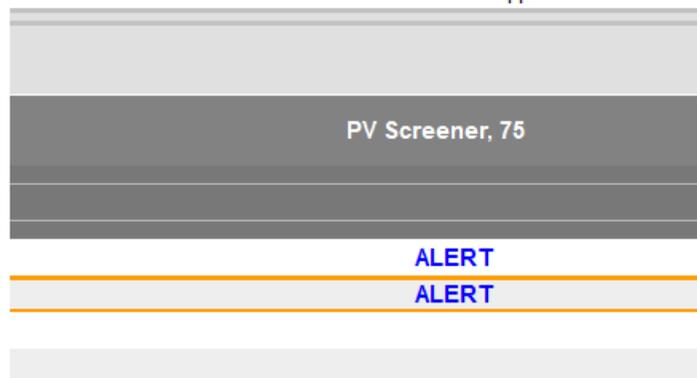
Do note you could also choose to get live voice alerts as such signals occur.



*3 Bars with Declining Lows
with Inclining Volume!*



11



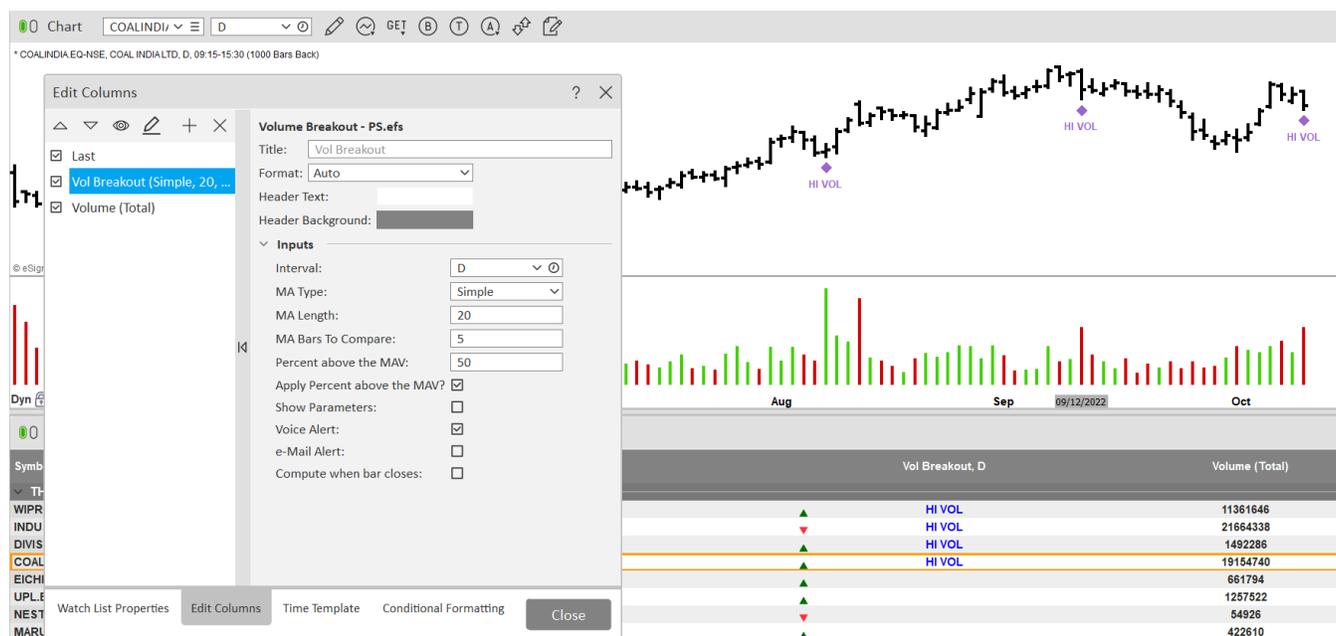
PV Screener - PS.efs	
Title:	PV Screener
Format:	Auto
Header Text:	
Header Background:	
▼ Inputs	
Interval:	75
BarsToCompare:	3
Source:	low
PriceBarType:	Declining
Consider Price Bars:	<input checked="" type="checkbox"/>
Inclining Volume:	<input checked="" type="checkbox"/>
Compute when bar closes:	<input type="checkbox"/>
Sound Alert:	<input type="checkbox"/>

Vol Breakout CW and PS

As the name suggests this study is designed to highlight to you where the volume is kicking in or as I like to phrase it as where a large price move could spin off from. Whats best if you can customize the defination of high volume to a refinement of your choice.

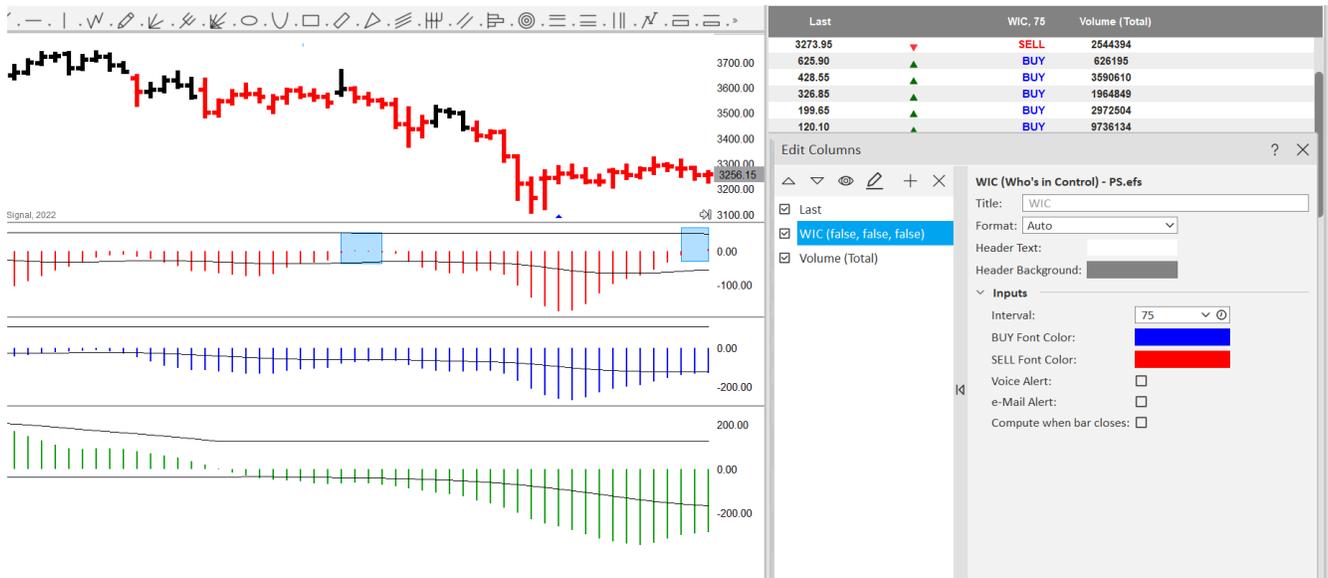
For example, you could want a simple alert when a bar clocks the highest volume in comparison to the past 5 periods. Or to make things even tighter, you may want a signal when not only is it the highest volume in comparison to the previous 5, but it also is atleast 50% greater than average volume (You could even define the periodicity of this average)

Its fascinatng what this study could bring to the table, it clearly ensures you are looking at the right symbol at the right time.



WIC (Who's in Control) - PS

For Advanced GET users that Who's in Control (WIC) strategy is quite a favorite. The theme clearly being to trade in the direction on the Primary Big Trend or the 10/70 Oscillator. The WIC – PS spots all those symbols that are in established Bull or Bear grip on the 10/70 and have a pullback on either the 5/17 or 5/35 Oscillators setting up a potential counter trend trade setup.

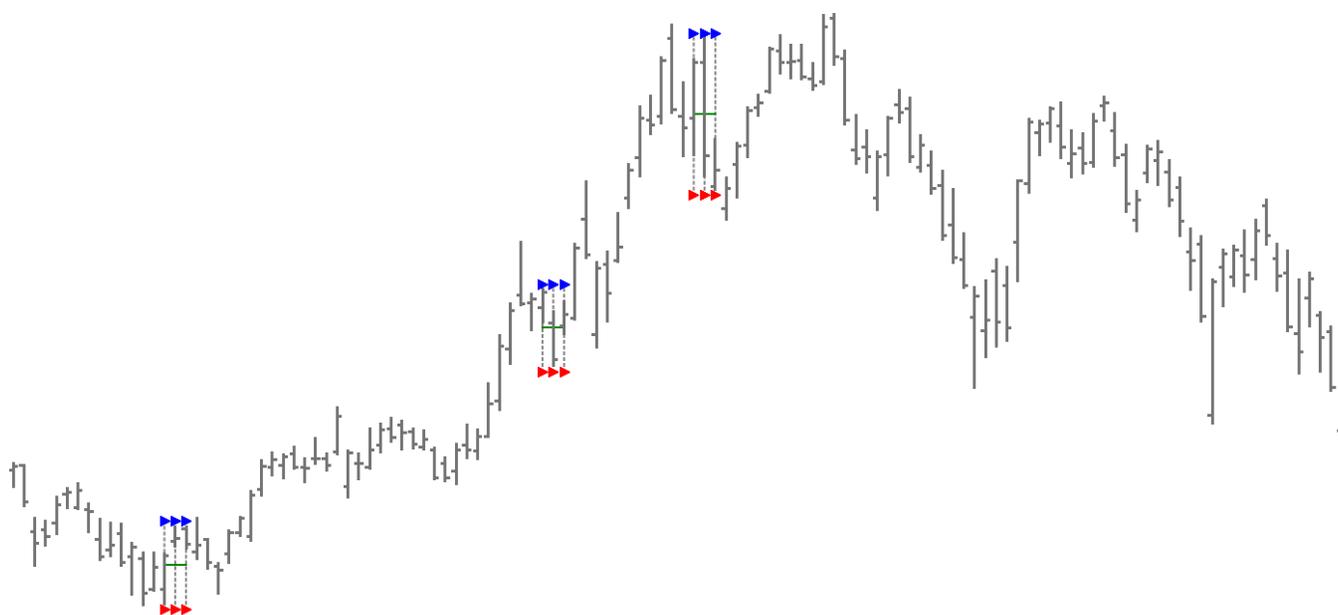


ATM Runway CW and PS

Let me start by saying prices usually do take off from this Runway! This is truly special indicator that took 4 years of chisel work to arrive at this fine version in 2022. Originally created only for one's own trading and investment goals, I felt I could only do good by sharing this study. A blend of various indicators I always keep in sync are factored into this setup be it the TiK, Zone Detector, False Bars Stochastics, Averages, Volume to name a few.

The name Runway also lends its self to its visual form on the chart. Once a Runway is setup it will get automatically marked out on your chart. Look for a close clearly past the Runway and then trade in that direction. There is a median point drawn that could be used as a stop. The tool is not designed to get you every trend and may keep you tradeless at times. Its intent is to help you understand that there is a confluence of signals, so that you can plan how you want to trade the forthcoming trend. The indicator is good at spotting both counter trend and continuation style setups and hence should not be ignored.

As there are a few volume and volatility elements factored in, you should consider confirming signals with relevant price-based levels / strategies (be it the ATM TrendDecider Suite or key Support / Resistance). To help you detect these trades we also build a PowerScreener to let you know where we have lined up, so that you could further investigate for a breakout.



Watch List		
Symbol List *	CF *	
ATM Runway, 75		
RUNWAY	1964849	326.85
RUNWAY	149439	3198.65
	901869	564.90
	5241674	37.80
	144401518	7.10
	983569	36.15

XTL-JTI-MAC-OBO – PS
XTL Sync – PS
ATM Pivot Alert – PS
TurboTrend CW
TurboTrend - PS
KeltnerChannel CW
KeltnerChannel – PS
ATM TikSto - PS

The XTL is a strong backbone for the Advanced GET system, this coupled with the Moving Average Channels and JTI make it a fairly promising system. In addition, users get further validated as the Oscillator breakout past strength bands. These are the core concepts which every Advanced GET user is all abreast and educated about. The greatest desire was to spot these opportunities as they occur and synchronize, and voila we delivered these on the PowerScreener!

Th Screener lets you spot the first **XTL breakout** bar past the **GET Moving Average Channels**, or where the **JTI** is breaking out from a neutral zone into a strong trend and much more!

If you are looking for a simpler scan with the core elements you could even stick to the **XTL Sync screener**, which spots XTL breakouts past the moving average.

The **ATM Pivot Alert** can auto-detect when the price of the instrument is approaching or going past a previous Pivot, this is a much-needed screener for those using the TJ's MOB price and time projection tool.

Several users also prompted us to add the **Keltner's Channel** study, which we happily did and also included both a Chart Window study (CW) and a PowerScreener (PS)

The Woodies CCI concept was married into the GET platform back when ver 9.1 came along and its popularity amongst users drove one to create more refined versions that makes the CCI study even more effective and useable. You can now spot **CCI Trend and Turbo trades** with ultimate refinement courtesy the included TurboTrend PS and TurboTrend CW indicator Scan

The **ATM TikSto PS** study is a PowerScreener scan and not a separate chart indicator. Users requested for a scan where they can see the TiK color as the background colour of their WatchList and also get a signal when there is an Up or Dwn Cross on the Stochastics. Users wanted this scan to help them get more re-entry opportunities / confirmation in an already progressed trend. Below is an explanation on what the signal outputs indicate ...

BUY indicates the up cross on the Stochastics occurred in oversold region below 25

MBUY indicates the up cross on the Stochastics occurred between 25-50 levels

SELL indicates the down cross on the Stochastics occurred in overbought region above 75

MSELL indicates a down cross on the Stochastics occurred 50-75 levels

The reason we put all these studies as one consolidated brief note, is because these are not core ATM strategies but work to compliment the ATM suite with tools many eSignal users have been using. In conclusion, should you need any help with any of these tools, feel free to reach out and we'd get you one-to-one help.

ATM TREND FLARE Suite

ATM TREND FLARE CW and ATM TREND FLARE - PS

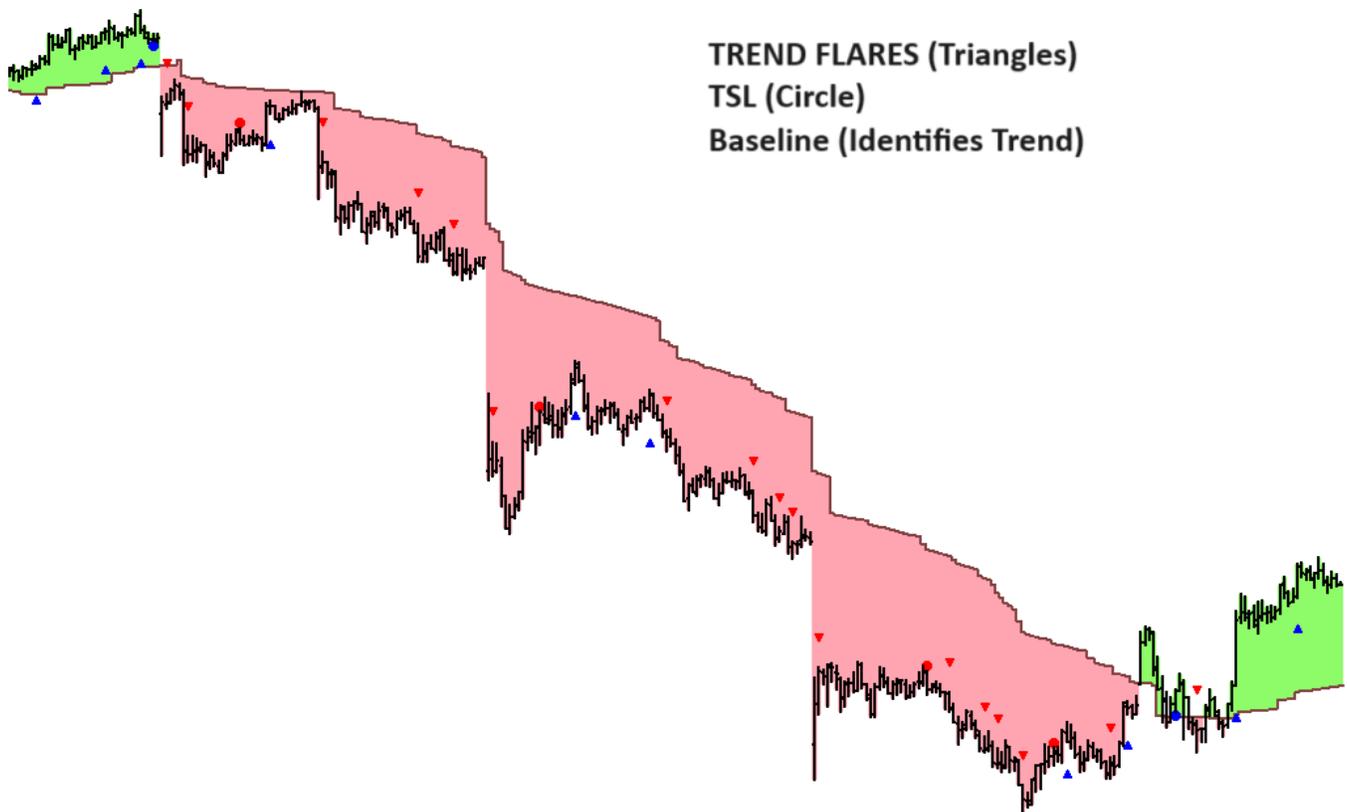
Launched in April 2024, this sure is a major enhancement to the ATM PowerScreener studies. It comes in after months of research and brings to the table multiple signals coupled with Screeners to find where you have a potential trading setup. These synergise to generate for you multiple trading strategies keeping price volatility as the heart of its computation.

The ATM Trend Flare is designed to give you flexibility to suit your trading style. Whilst different Indicators build this together, we suggest you build / work with 3 simple chart templates to start with

- 1) ATM TREND FLARE Normal (Insert Indicator ATM Trend Flares CW on the chart with default NORMAL)
- 2) ATM TREND FLARE Slow (Insert Indicator ATM Trend Flares CW on the chart and edit to SLOW)
- 3) TREND FLARE BASELINES (Insert 2 instances of the ATM TREND FLARES CW indicator, one in NORMAL / one SLOW, now uncheck all signals expect the baseline)

As the names suggest, the NORMAL mode is more responsive to market movement and the SLOW mode factors in more historical market data and hence is likely to have a larger smoothing effect.

Like other ATM studies this too works best if you have well-constructed open high low close charts with 300+ bars / candles of historical data or more. Let's now discuss the core components of the ATM TREND FLARE strategy



Choosing between Normal or Slow Template?

This is an important decision / selection and depends on our trading personality and goals. If speed and getting an early signal is a focus one should work with Normal mode. However, if stability or a more confirmed approach, even if it means a delayed / lesser signals, is what you desire then opt for the SLOW mode. It is recommended you also check historical signals to get further confirmation on what the right choice may be.

This decision is of paramount importance as the Trend Flare Triangle symbols and the Trailing Stoploss (TSL) Circle symbols would all adjust their signalling based on the mode you choose.

Baseline, Trend Flare, TSL signals

The baseline is computed based on the volatility of the recent price data and also blends in concepts of moving averages to bring in a smoothing effect. The Baseline dissects the market into Bullish and Bearish Zones. The trend can be deemed as positive if price is above the Baseline and if the Baseline is inclining in value. Similarly, if prices are below the Baseline and the Baseline is declining in value consider it as negative trend.

You may even choose to use both the SLOW and NORMAL Baselines like you would use 2 ATM TrendDecider levels or 2 moving averages. To access this study simply right click on the chart - Insert Indicator and choose ATM Trend Flares CW. This will be present under Addons – ATM PowerScreener. For the Watchlist you can add the ATM Trend Flares – PS study.

The CW study marks the baseline, stamps Trend Flare Triangles and TSL Circles. It also shades the range above and below the baseline with colours of your choice.

The ATM Trend Flare PS does the job of a scanner / screener which shades the watchlist cell colour depending on where price is in comparison to the baseline. It further stamps TF BUY and TF SELL signals which indicate a TF Triangle is on the chart. TSL+ and TSL- points are also scanned, so you can get an alert when to place a trailing stop. Another remarkable feature is that it can identify a change in trend from a Baseline perspective by shortlisting symbols that have just gone past the baseline, these are labelled as UPSHIFT / DOWNSHIFT.

We have also got a NUMERIC output feature should you want to use TF / TSL signals with conditional formatting.

Trend Flares (TRIANGLE symbols)

These are denoted as a Triangle symbol below or above the bar. A trend is likely to flare out from this signal point, these often are the earliest signals even before the instrument goes past the baseline and can be utilised as the first and most key indication.

On the Watchlist study, TF BUY indicates where we have a blue buy triangle on the chart and TF SELL indicates where we have a trend flare sell red triangle.

Trailing Stop Loss (Circle symbols)

This study comes into play once you enter a profitable trade and are looking for potential points where you could trail your stop loss level to so that you manage risk optimally. The indicator is displayed as a Circle / Dot symbol on the chart and indicates you can consider using the recent low / high as a stop for existing trades.

On the Watchlist TSL+ signals when we could use a Trailing Stop for long trades, TSL– indicates when we could use a trailing stop for a short trade.

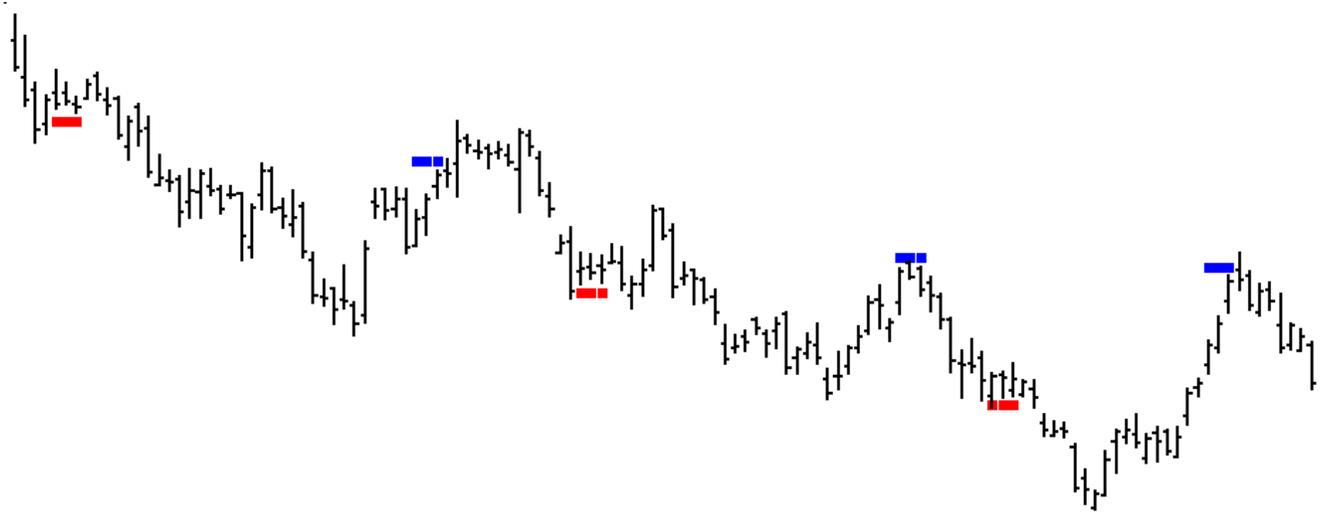


“ATM TREND FLARES – PS” output choices...

Use NUMERIC OUTPUT
for CONDITIONAL FORMATTING

ATM Trend Flares, D	ATM Trend Flares, D
4.00	TF SELL
4.00	TF SELL
4.00	TF SELL
4.00	TF SELL DOWNSHIFT
2.00	DOWNSHIFT
4.00	TF SELL
4.00	TF SELL DOWNSHIFT
4.00	TF SELL
1.00	TSL+
1.00	TSL+
2.00	DOWNSHIFT
2.00	DOWNSHIFT
4.00	TF SELL DOWNSHIFT
4.00	TF SELL
1.00	TF SELL TSL+
4.00	TF SELL TSL+
1.00	TF SELL TSL+
2.00	DOWNSHIFT
1.00	TSL+
2.00	TSL-
3.00	TF BUY

AUTO SR (Support & Resistance)



BLUE === indicates RESISTANCE

RED === indicates SUPPORT

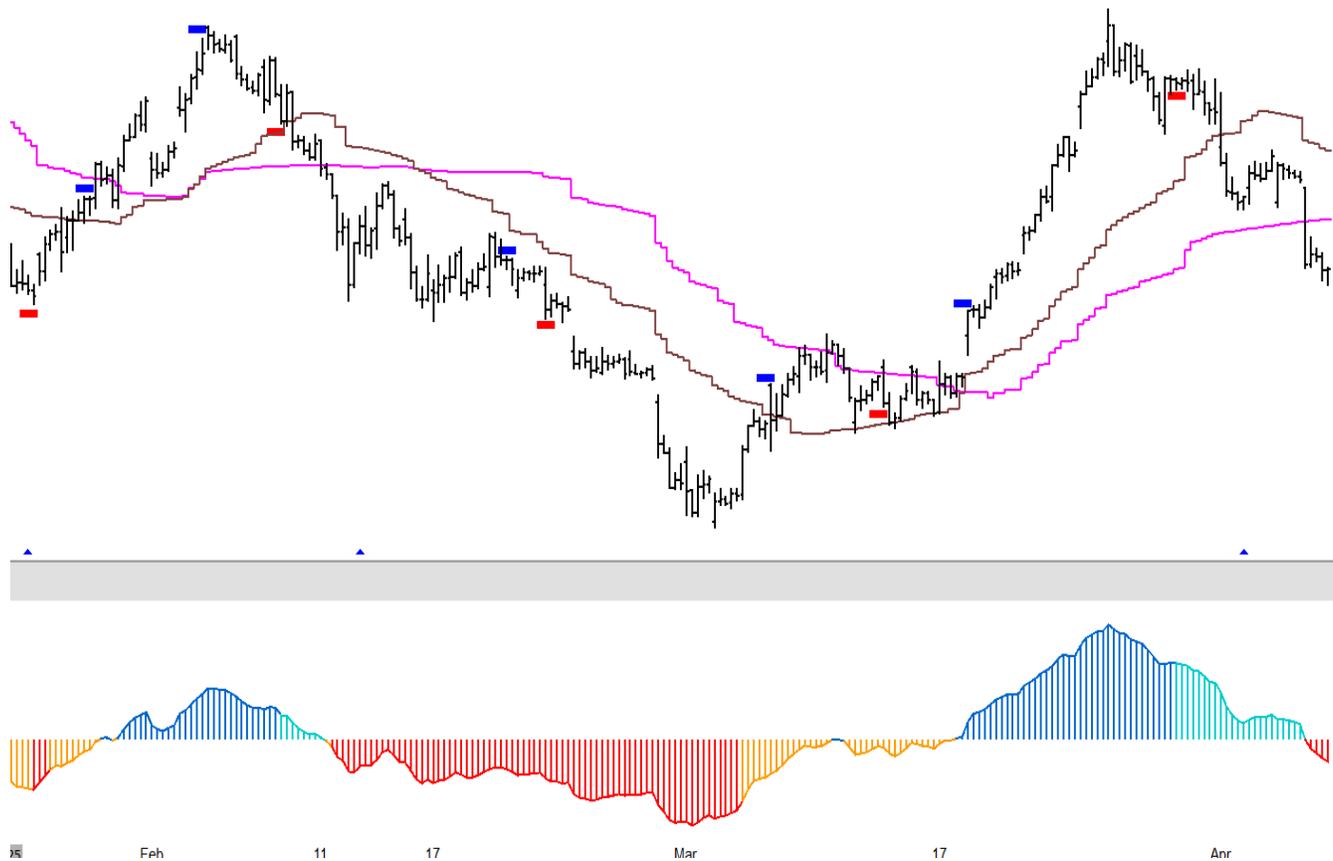
“Price is supreme”, is one of the core principles of Technical Analysis. Hence one needs to dive deep into understanding price action behaviour. Many do this using chart patterns or by marking historical levels, however one simple evidence based approach is to understand where exactly are zones of support and resistances. Once these key levels or hurdles are broken out of, they work as an excellent indication of trend reversal.

As the name suggests this study plots out for you zones of support and resistance, these work as a handy map in your journey to find trend breakouts and key price levels. What’s amazing is that you will see the vast majority of ATM studies turn positive past a Resistance and negative below a Support.

Below are some effective and practical pointers to remember :

1. We should consider strength once resistances are broken out, else they are a bottleneck to an uptrend.
2. Good buy signals are also usually built on with a support level that is holding.
3. Similarly a support level once broken out of / breached, is an indication of weakness.
4. A sell signal can be further validated, if it occurs after a resistance level that has not been crossed.
5. Keep a filter, something that has helped me immensely is wait to close past the level and then use that breakout bar’s high / low as a trigger point
6. One would use this study to give us a roadmap of levels rather than mechanizing its to be a trading system. I encourage you to use it alongside any of the core ATM strategies to better gauge where the price action is placed.

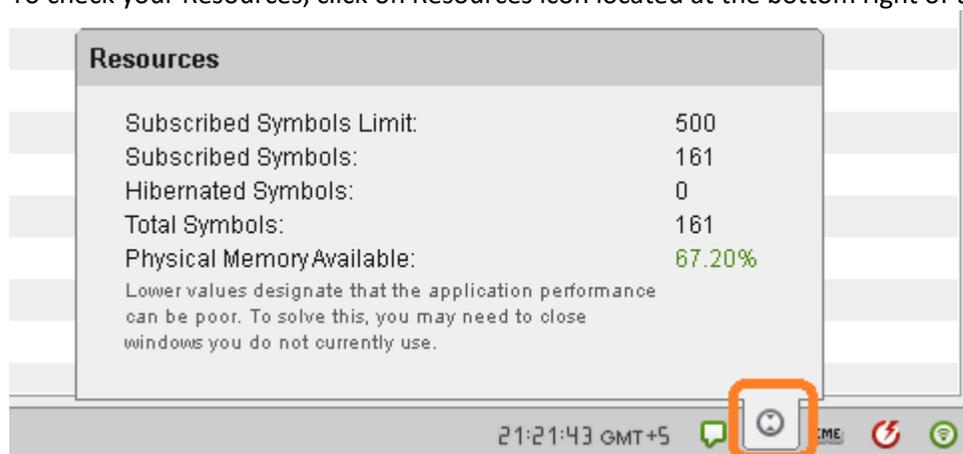
Tip : Consider setting up a chart template with the ATM Auto SR with the ATM TIK Oscillator. You could further empower it with the both the ATM Trend Flare BASELINE's. It's a fairly comprehensive template that will connect to you visually and help gauge the market pulse and direction.



WatchList Properties

It's important to note that the number of symbols that you can put into a WatchList depend on your eSignal data subscriptions symbol limit. Performance also depends on your Internet connection speed and hardware specifications. The WatchList indicators / PowerScreener's in the ATM PowerScreener perform a magnificent task of constant scanning and detection based on criteria you set, hence they use more system resources than standard indicators. We must understand that each row in a WatchList is essentially an invisible chart running in the background and its resource requirements are similar to that of a standard eSignal chart. For smooth functionality try and keep your WatchList symbol lists to a reasonable number and **be sure to utilize Time Templates for your WatchLists as well as your charts.**

To check your Resources, click on Resources icon located at the bottom right of the eSignal desktop application



It's important to set the time interval for any study you load on the WatchList. When we first load any EFS indicator into an eSignal WatchList the default interval will always be D (Daily), so be sure to change that to the interval you actually wish to use.

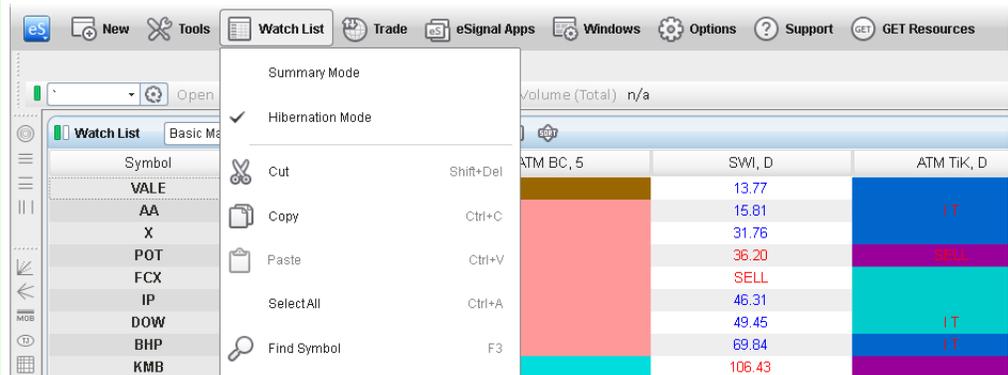
Hibernation

By default, eSignal WatchLists have the *Hibernation* option turned on. This means that if you have a WatchList that contains a large number of symbols, only those symbols that are currently visible in the WatchList will update and those that are currently NOT visible will be dormant. If you are monitoring a list of symbols for pattern activity you definitely want to turn off the *Hibernation* feature.

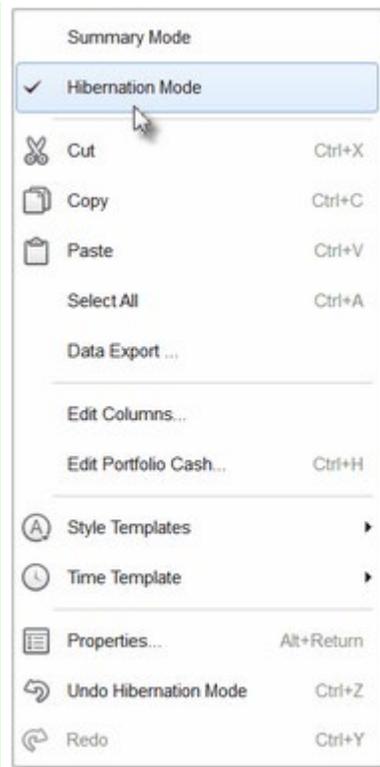


To turn OFF Hibernation:

After you load your WatchList, click on the *Watch List* menu option that you will see in the eSignal upper menu bar.



Click on the **Hibernation Mode** option to remove the checkmark.



Setting up Email Alerts

To configure your e-mail account, left-click the **eS** icon on the menu bar, then left-click **Application Properties** and then **E-Mail**:

In the **From** box, enter the e-mail address that will be sending the message. In the **To** box, enter the e-mail that will be receiving the e-mail alert.

In the **SMTP Server Host** box, you will have to enter the SMTP Outgoing Mail Server host address of the email service that will be sending the email. For example:

Gmail

Host: smtp.gmail.com

Port: 465

Yahoo

Host: smtp.mail.yahoo.com

Port: 465

Hotmail

Host: smtp.live.com

Port: 25 or 587

After you have entered in the SMTP information for your email service, place a check mark in the **Use SSL** and **Use Authentication** boxes.

In the **Username (SMTP)** and **Password (SMTP)** boxes, enter in the Username and Password for your email service.

Once you have configured your email Alert Settings you can send a test e-mail by clicking the **Test Message** button. A window like the one below will open letting you know that the message was successfully sent, and you will receive a test e-mail from eSignal.

eSignal



For more information on the eSignal line of products, please visit their [website](#). For technical questions specific to eSignal 1 please visit the [eSignal Knowledgebase](#).