

Aspen for Browser User Guide V 1.20 (March 2014)





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The Active Window

Although there may be many application windows (quote, news, charts etc.) on the screen(s), there is always one and only one active window at any time. This does not mean that the other windows will not continue to update -- all windows continuously update. The instructions you give to Aspen for Browser, whether through a menu or command, apply only to the active window.

When you add a new window to the screen, it automatically becomes the active window. The active window is differentiated from the other windows on the screen by its border. The active window border is orange. If you tile windows, the active window will always be in the foreground.

If the window you want to use is not active, you can make it active with the mouse or keyboard.

Mouse

Place the pointer within the window you want to select and click the left mouse key.

Keyboard

Press **Tab** to rotate through all the windows. Each time you press **Tab**, a new window becomes active. **Shift + Tab** rotate through your windows in the opposite (counter-clockwise) direction.

M Aspen	ı for Browser (l	beta) - Proje	cted									(🧿 🛈 😐
💕 🔒 😼	👾 - 🔤 🧱 🚺	२ 👪 😰 🔤	<u> </u>	пск 🗗	2 🔶 - 🗐	• 🛃 •	el 🔁						
🧱 Quote1								89 - 0	1 ×	🚼 Bid/Offer1			– 🗆 ×
분 🌣 🐰	1월 😫 🔛	D 22 - B	A A	ব						JAST	Buy 59.96	% 4 <mark>0.0</mark> 4	1% Sell
SYMB	PROJECTED	ASKSIZE	ASK	BID	BIDSIZE	%BUY	/%SELL	TRADE	-	Trade Sid	de Volume	Change	%Chg
TWS	Th	nis window is	an active	25.50	1151	60%	40%	25.50	÷.	7.80↓	B 360600	-0.20	-2.50
SUPER	· · · · · · · · · · · · · · · · · · ·	window (disp	lay with	2.94	8850	64%	36%	2.94		Volume	Bid	Offer	Volume
JUTHA		Orange bo	rder)	5.20	5708	60%	40%	5.20		31711			12819
TKS	5.95	80/ 08	5.95	5.90	190	54%	46%	5.95		53100 41700			10955 7915
SPACK	N/#	A 19	2.58	2.54	5	50%	50%	2.58		28504		8.00	82400
JAS	7.80) 12819	7.85	7.80	31711	60%	40%	7.80		53600	7.60	8.05	63100
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JAS_F	JASN	INE INTERN	ATIONAL	0.07		36%	64%	0.07				🧵 9.!	50
Show all	results matchi	ing " <mark>JAS</mark> "			_			•				9.0	00
News1									1 ×		Z	8.	50
All 📑	7												3 <mark>0</mark>
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12:11	CMNT	JAS: ดีบี	เอสฯ แเ	<u>เะน่า "</u>	ชื่อ" ราคา เ	เป้าหมา	ย 10.00	บาท/ทุ้น	Ô	No Gaps	MACD		00
11/ 1 1	L4:34 CMNT	JAS: CI	MBS rea	commen	ds "Neutf	RAL",t	arget p	rice is			conchastic		
11/1 1	L0:50 CMNT	JAS: ฟินัท	นเซีย ไข	ชรัส แน	ะน่า "BUY'	'ราคา	เป้าหมาย	11.00 บ	J	No Gaps		50	.00
11/1 1	10:36 CMNT	JAS: May	ybank k	(im En	g recomme	ends "	Buy",ta	rget pri		No. Gaps	Volume		Million
•								Þ		9/23 9/30	10/7 10/14	10/28	Day

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Title Bar

Aspen for Browser (beta) - page1

lcon	Function						
0	Online Help. Displays online help.						
i	About. Displays product version.						
•	Connection Status.						
	• If it is green, this means that you are connected to Aspen Server.						
	• If it is red, this means that you are not connected to Aspen Server.						

Main Toolbar

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lcon	Function
*	New Screen. Displays a new screen for create your own page.
Ē	Open. Displays a dialog so you can choose the page or window you want to display.
_	Save. Saves the current page. If you're laying out a new page, you will be prompted to
	provide a name for the page.
>	Save As. Displays the save dialog so you can give a layout another name.
👋 -	View. Displays a drop down menu which contains Page Explorer and Ticker.
11111	Chart. Displays a chart window.
a una a una a una	Quote. Displays a Quote table window.
Q	Full Quote. Displays a Full Quote window.
\$ 6	Bid/Offer. Displays a Bid/Offer window.
2	Market Overview. Displays a Market Overview window.
WA	Warrant Analytic. Displays a Warrant Analytic window.
	Warrant Comparison. Displays a Warrant Comparison window.
N	News. Displays a News window.
TICK	Ticker. Displays a Ticker window.
F_{F}	Fixed Format. Displays a Fixed Format window.
	Market Screener. Displays a Market Screener window.
<u>_</u> +	Alarms. Add or edit an alarm condition.
9 9 -	Color Themes. Choose the color theme.
	Windows. Cascading and tiling windows.
el.	Auto-Hide Toolbar. Toggle the tool bars of most window types.
	Symbol Linking. Allows you to group windows so that when you enter a symbol in any
	member, that symbol gets passed to all group members.

Getting Started

After logging into **Aspen for Browser**, you will be brought to the Default page where you will find 4 windows:

- Market Overview
- <u>Quote</u>
- Chart
- <u>News</u>

To find the information for a particular stock, click one of the windows and the window's border will turn orange. Type the stock symbol and press **Enter**.

How to type stock symbols

Туре	Description	Exchange Symbol	Aspen Symbol
Main Board	Use the same symbols as SET/mai	BBL	BBL
Foreign Board	Change "-" to "_"	BBL-F	BBL_F
Warrants	Change "-" to "_"	EARTH-W3	EARTH_W3
Symbol with "&" letter	Change "&" to "N"	F&D	FND

The default page contains the following windows:

(# Aspen for Browser (beta) - page1			Ø 🛈 😐
💕 🗔 🛃 👙 · 🔤 🧮 🖸 👯 😥 🔤 🜉 🔛 🔤 🕼 📿 🐥 · 🧐 · 🕾 · 🔬 🌺 -			
🕺 Market Overview1		🔁 🗕 🗖 🗙 🏧 Chart1	🕑 – 🗆 ×
Select Group SET Template Price		4 A + + + + + + + + + + + + + + + + + +	_% • *
SET 1436.62 ^ +1.65 +0.11% Value 4.703 M	Volume 619190	PTT PUBLIC CO.,LTD. (PTT)	340.00
▲ 236 ▼ 180 ↔ 174 Day Low Day High Prev 1434.97	MktCap 12.526 M		330.00
Buy Sell 1431.52 1438.63 P/E 15.75	Yield 2.93		320.00
0% 0% P/BV 2.25	Time 10:15		1 m <u>312.00</u>
Open: 1432.47			
SYMB %BUY/%SELL TRADE CHANGE %CHG %B-S OPEN HIGH	LOW PREV VOLUME V	VALUE TRADETIME	0.00
AGRO 59% 41% 361.02 139 0.39 1754 358.13 361.4	357.61 359.63 8038	175/54 10:15 No Gaps	-5.00
EINCIAL 74% 25% 184.02 Can't enter symbol in 184.01	182 01 183 00 46052	588763 10:15	100.00
INDUS 61% 39% 120.13 this window 120.6	119.93 120.73 70231	171226 10:15	50.00
PROPCON 78% 22% 129.96 1115 WITGOW 130.2	129.73 130.46 214232	629450 10:15	
RESOURC 74% 26% 177.78 -0.29 -0.16 47.42 177.94 178.3	177.30 178.07 15221	346553 10:15 Volve	rtroot.
SERVICE 76% 24% 324.81 2.82 0.88 51.16 322.18 325.6	321.95 321.99 64747 1	1205383 10:15 - 8/1 8/13 8/26 9/9 9/16 9/30 10/14	10/28 Day
News1	-	- 🗖 🗙 🧮 Quote1	🕑 – 🗆 ×
		SYMB %BUY/%SELL PROJECTED TRADE CHANGE %CHG VOLUME	VALUE(K)
Results for: All		CPALL 67% 33% 39.75 41.00 1.25 3.14 25015	4 1016604 📥
10:11 XNA CEIS: SAIC Motor auto sales up 14.13pct y-o-y i	ı Jan-Oct	A JAS 63% 37% 8.25 8.25 -0.05 -0.60 72035	5 598663
10·10 (MNT DELTA·พีบันเซีย ไดรัส แนะนำ "BLIY" ราคาเป้าหมาย 58 0) บาท/หัน	ADVANC 51% 49% 238.00 238.00 -4.00 -1.65 2175	2 519567
10 10 DDT Madula Linuiditu aut indus for China in a		IRUE 67% 33% 8.40 8.45 0.10 1.20 39592	5 335035
10:10 PRI Moody'S: Liquidity sub-index for chinese issuer	s Talls in Oct	111 <u>59% 41%</u> 312.00 311.00 -11.00 -0.32 /00	0 218082
10:09 CMNT MODERN : Phillip recommends "BUY", target price	is Bt12.30/share		
10:09 XNA Interview: "Combination blow" required to count	er terrorism: Russian e	ext	
	้าัน		
			•

Market Overview

The Market Overview window presents quotes for a group of sectors or stocks together.

Click **Market Overview** icon to open a Market Overview window.

Selecting Index/Industry/Sector

Click the '**Select Group**' drop down menu and then choose symbol list of your choice. Quotes of all stocks in the selected category will be displayed.

👿 Market Ov	erview				-					2 -	- 🗆 ×
Select Group	SET	•	Templa	Click drop-dow	n box	< 🗌					
SET	INDEX	-	↑ -				17.1	18 M Vo	lume	2.05	3 M
▲ 127 ▼ 5	SET		Day Low	Day High	Pre	v	144	2.88 MI	ctCap	12.59	5 M
Buy	SET50		1429	1431.4	P/E		1	5.78 Yi	eld	2	.91
0%	SET100				Р/В	v		2.26 Ti	me	14	:58
	SETHD		\sim (Click the sto	ck						
SYMB	MAI		TRAD.	category of v	our	5	OPEN	HIGH	LOW	PREV	VC
AGRO	INDUSTRY		355.	choice	our	26	356.59	358.53	355.16	359.39	^
CONSUMP	AGRO		124.5.	citotee		.00	125.06	125.10	124.36	125.33	
FINCIAL	CONSUMP	•	180.35				181.48	181.48	180.05	183.18	
INDUS	66%	34%	118.69			32.80	119.56	119.56	118.47	120.50	
PROPCON	65%	35%	129.88				129.46	130.34	128.82	130.50	
RESOURC	46%	54%	177.09				177.12	177.83	176.05	178.91	
SERVICE	41%	59%	320.18				321.03	321.38	318.72	323.15	
TECH	60%	40%	223.85			19.24	224.52	225.53	223.15	227.85	
GP	1 3/0	519	A88.42		77	A04	19.10	A89.73	▲18941	A 193.34/	

Choosing Data Types

You can choose whether to view real-time price data or fundamental data. Click the '**Template**' drop down menu and the select **Price** or **Fundamental**.

👿 Market Ov	erview				(1_				. 5	- 🗆
Select Group	SET	•	Template	Price	-		Click drog	o-down b	ox		
SET	14	125.68	↑ -1	undamental	۸ ۵	/alue				2.07	8 M
▲ 125 ▼ 5	46 🚸 1	.33	Day Low	rice	h F	Prev	144	2.88 MI	ctCap	12.59	5 M
Buy		Sell	1421.39	43:	1.40	γe	1	5.78 Yie	eld	2	2.91
0%		0%				/BV		2.26 Tir	me	15:03	
SYMB	%BUY/	%SELL	Click	the data ty	pe	%B-S	OPEN	HIGH	LOW	PREV	VC
AGRO	49%	51%	tha	at you want		-2.88	356.59	358.53	355.16	359.39	
CONSUMP	47%	53%	1.			-6.68	125.06	125.10	124.36	125.33	
FINCIAL	53%	47%	180.40				181.48	181.48	180.01	183.18	
INDUS	66%	34%	118.81				119.56	119.56	118.47	120.50	
PROPCON	65%	35%	129.79				129.46	130.34	128.82	130.50	
RESOURC	46%	54%	176.83				177.12	177.83	176.05	178.91	
SERVICE	41%	59%	320.10				321.03	321.38	318.72	323.15	
TECH	60%	40%	223.69			19.22	224.52	225.53	223.15	227.85	
AGRI	49%	51%	189.23				189.12	189.62	188.41	190.34	
	~~	V 59	79.7			$\sqrt{2}$	4/17/	1.81	~75~	487-0	

Entries in each column of the **Market Overview** window can be sorted in ascending or descending order by click at the column header. The sorting icon \blacktriangle / \blacksquare will be displayed on the column header.

For example, when you are viewing fundamental data of banking sector, you can click '**PE**' to sort the stocks by their price-to-earnings ratios. Clicking '**PE**' again will reverse that order.

👿 Market O	verview	1		2)						E	P - C
Select Group	BANK	•	Template	Fundament	tal 🔻	Ť.						
BANK		534.07	'↓ - <u></u>	9.03	66%	Value	3	3.638	M Volum	e	105	531
• 0 -			Low			D		543.1	0 MktCa	р	2.21	7 M
Buy	oct Ban	king sec	tor 8	Sele	ct Funda	mental	type	12.3	4 Yield		2.57	
54%	ect ban	iking see		Dele	erranae	interitor	.jpc	1.8	2 Time		1	5:20
				Open.	337.32							
SYMB	%BUY/	%SELL	TRADE	CHANGE	%CHG	%	PE 🔻	PBV	DIVYLD	EPS	BOOK	DPS
тмв	56%	44%	2.70			3	86.66	2.06	1.20	0.04	1.33	0.03
СІМВТ	46%	54%	2.04		-1.92	1.74	25.03	2.10	0.24	0.03	0.99	0.00
LHBANK	39%	61%					19.73	1.15	0.61	0.04	1.16	0.03
BAY	72%	<mark>28%</mark>	Clic	K 'PE' COIL	imn, sor	ting	15.93	1.95	2.09	1.17	19.66	0.40
SCB	44%	56%		by desc	ending		12.27	2.45	2.74	7.58	67.18	1.50
KBANK	59%	41%	185.50	-4.50	-2.37	18.16	11.97	2.27	1.58	8.81	83.67	0.50
КТВ	50%	50%	19.70				11.46	1.49	3.59	1.07	13.66	0.44
BBL	48%	52%	205.00				11.13	1.39	3.16	10.09	148.30	2.00
TISCO	49%	51%	42.75				8.27	1.74	4.96	3.17	25.24	2.40
ТСАР	53%	47%	34.50	0.00	0.00	5.28	4.83	0.93	4.30	4.79	37.20	0.60
ККР	47%	53%	41.50					0.00	0.00	0.00	0.00	0.00

Chart

The Chart window let you view price charts and use technical tools to perform technical analysis.

- 🗑 🛈 😐 eta) - Default 🚽 🛃 📧 🔹 🏧 🌆 🔽 🛤 🖾 📥 📥 👘 4 🖓 A A # * % 9.303 M 15.634 M Volume 2) MktCap 12.125 M 1425.07 178 Prev 2.91 15:30 330.00 325.00 320.00 Time P/BV 315.00 310.00 TRADE 444.57 VOLUME VALUE TRADE PREV 446.82 CHANGE %CHG %BUY/%SELL OPEN HIGH LOW 444.52 YME 449.35 448.86 101962 134.14 181.82 3.00 1.00 -1.00 -3.00 183.33 181.51 132.61 4479588 183.15 566328 130.77 133.53 131.44 134.81 130.04 133.18 130.68 133.60 1908292 4499255 0.07 12421670 190.64 300.30 4796805 90.00 70.00 50.00 30.00 10.00 299.72 299.83 301.08 301.79 174.09 219.03 549.29 542.39 2204473 4086212 219.03 29292 220.93 544.55 550 38 544.05 541.18 537086 541.29 544.79 60000.00 40000.00 20000.00 546.98 546.75 9256.11 16 43 94.22 29173.34 0253.14 14404 10/19 11/1 11/16 11/30 12/14 12/28 No. □ × 雨 Qu 1. D %BUY/%SELL PROJECTED TRADE CHANGE VOLUME SYMB %CHG 21.70 2.96 23.9 Results for: All 337.00 335.00 383 15:30 IQ ราคาดลาดยาง TOCOM: สัญญาส่งมอบเดือน มิ.ย.2556 ปีดส 1.50 5.05 0.00 2179 XNA Foreign exchange rates in India 15:29 15:28 IQ *"กิตติรัตน์"มองบาทยังแข็งค่าต่อเนื่อง แต่ไม่มีนโยบายแทรกแซงที่ผิดธรรมชาติ 15:28 PRG ภาพข่าว: ตลาดหลักทรัพย์ฯ เป็นเจ้าภาพจัดงาน Invest ASEAN 2013 15:24 IQ ครม.สั่งตามติดราคาสินค้าไม่ให้อ้างเหตุขึ้นค่าแรงฉวยโอกาสเอาเปรียบผู้บริโภค 15:24 XNA Foreign exchange rates in Hong Kong 2nd ID· Military train derails in Foynt killing
- Click ^{IIII} Chart icon to open a chart window.

Launching a Chart window

To use the Chart window:

- 1. Click on the **Chart** window. The window border will turn orange.
- 2. Type in a stock symbol and press Enter.



In Chart window, toolbar buttons are put into groups. Click the double arrow at the window's top right corner to view hidden buttons.



To keep the hidden buttons visible, click the dropdown arrow and then click 🗭 the **Pin** button. The **Pin** button will turn upright 🖶 and the hidden buttons will stay visible.



Chart Toolbar

The Chart Toolbar is enabled once a chart window is opened or created in **Aspen for Browser**.

The Chart Toolbar contains commands for configuring the various charting features available in Aspen for Browser.



lcon	Function								
	Default Scale. Restore both automatic price and time scaling at once.								
A	Auto Scale Time. Return to automatic time scale.								
44	Expand Time Scale. Add more data to the chart.								
*	Compress Time Scale. Removes data from the chart.								
4	Shift Left. Shifts data in the chart left.								
a	Shift Right. Shifts data in the chart right.								
A	Auto Scale Price. Return to automatic price scale.								
*	Expand Price Scale. Increases the distance between price points.								
*	Compress Price Scale. Decreases the distance between price points.								
Î	Shift Up. Moves the entire chart up.								
1	Shift Down. Moves the entire chart down.								
\angle	Linear Price Scale. Applies Linear scaling.								
\sub	Logarithmic Price Scale. Applies Logarithm scaling.								
%	Percent Change Price Scale. Applies Percent Change scaling.								
• گ	Bar Width/Chart Interval.								
	0 Minute								
	1 Minute								
	5 Minute								
	10 Minute								
	15 Minute								
	20 Minute								
	30 Minute								
	60 Minute								
	✓ Day								
	have								

lcon	Function
ţţî) v	Chart Types. Bar Chart Candlesticks Heikin-Ashi Line Chart Tic Chart Point and Figure
文 , -	Overlays. Clicking this icon displays overlay indicators you can add.
()	Expert Advisor. Clicking this icon displays expert advisor from popular indicators you can add. MACD Cross Signal Moving Average Cross Price Cross MAV RMI Signal RSI Signal Stochastic Cross
Èù ₹	Indicators. Clicking this icon displays a drop down menu containing the indicators you can add to the active panel. Acceleration Accumulation/Distribution Accumulation/Distribution Oscillator Accumulative Swing Index Aroon Aroon Oscillator Average Balance Volume Average Directional Movement Index Average Directional Movement Index Rating Average True Range Balance Of Market Power Bear Power Bollinger Band Width PNP str
⊘	Add Indicator to New Panel. Clicking this icon displays a drop down menu containing the indicators you can add to the new panel.
⊠* •	Study Properties. Clicking this icon displays a list of studies or overlays in the active chart window. Selecting a study from the menu displays the properties dialog for that study.
-	Remove Study.
×	Remove All Overlays.
4	Move Panel Down.
1	Move Panel Up.
1 ¹¹ 111 ~~8	Remove Panel.
Ð	Add Layer.
	Remove Layer.
Ū.	Transparent Layers.

lcon	Function
(a) •	Synchronize Layers. Clicking this icon displays a list of locks that can be placed on a chart. Sync Bar Spacing Sync Time Frame Sync Time Scale Sync Price Scale Sync Studies Sync Symbols
⊳ ¢	Pointer Tool. Clicking this icon enables you to pivot, move, and copy trend lines, text objects, and shapes.
/	Freehand Trend Line. Clicking this icon enables you to draw support and resistance levels anywhere you see them.
—	Horizontal Line. Clicking this icon enables you to draw a horizontal trend line.
//	Trend Channels. Clicking this icon enables you to establish your own support and resistance levels with parallel lines.
4	Speed Lines. Clicking this icon enables you to draw Speed Lines.
41	Andrews' Pitchfork. Clicking this icon enables you to draw
\$\$`	Fibonacci Lines. Clicking this icon enables you to draw Fibonacci Lines.
Α	Chart Annotations. Clicking this icon enables you to place text on a chart.
7	Callouts. Clicking this icon enables you to create callouts that detail price levels and market activity on a chart.
	Rectangle. Clicking this icon enables you to draw a rectangle on a chart.
\triangle	Triangle. Clicking this icon enables you to draw a triangle on a chart.
0	Circle. Clicking this icon enables you to draw a circle on a chart.
×	Delete Selected Object. Clicking this icon enables you to delete the selected drawing object.
×	Delete All Objected. Clicking this icon enables you to delete all drawing objects in the active panel.
2	Price Snap. Toggles price snap.
	Grid Lines. Toggles grid line.
1	Properties. Displays the properties of the chart, or, if an object in the chart is selected, the properties of that object.
۹	Symbol Lookup. Displays Symbol Lookup window.

Manipulating Chart Scales

This set of tools allow you to adjust the scales of both the horizontal (times) and vertical (price) axis.

		A	44	44	⇔ ⇒	[A 🚓	*	Ť	1
--	--	---	----	----	-----	------	---	---	---

lcon	ΤοοΙ	Keyboard Command	Description
	Default Scale	Home	Restore both automatic price and time scaling at once.
A	Auto Scale Time	-	Return to automatic time scale.
**	Expand Time Scale	Insert	Add more data to the chart.
*	Compress Time Scale	Delete	Removes data from the chart.
4	Shift Left	-	Shifts data in the chart left.
-	Shift Right	-	Shifts data in the chart right.
A	Auto Scale Price	-	Return to automatic price scale.
*	Expand Price Scale	Ť	Increases the distance between price points.
*	Compress Price Scale	Ţ	Decreases the distance between price points.
î	Shift Up	Page Up	Moves the entire chart up.
1	Shift Down	Page Down	Moves the entire chart down.

Price Scaling

If you want to compare stocks, for example, BBL and KBANK, type '**BBL,KBANK'** and then press **Enter**. You can press one of the following buttons depending on what you want to graph and compare.

lcon	ΤοοΙ	Description
\angle	Linear Price Scale	The most common type of price scaling, Linear scale plots an instrument's prices on an absolute scale.
\square	Logarithmic Price Scale	Logarithmic scale renders a uniform comparison of instruments that differ widely in value.
%	Percent Change Price Scale	Percent change charts are used to compare the percent change in price from the close of the left-most bar. Percent change charts are often used to compare the performance of instruments that trade at substantially different price levels.
		By default, the first entry in the time series will be used as the base value to calculate percentage change. If you want to use another entry as the base value, move the cursor to that entry and then click the % button again. That entry is now used as the base value in the calculation.

Changing Chart Interval

Click Bar Width/Chart Interval icon and choose the chart interval from the drop down menu. A list of time intervals is provided. These intervals include:

Intervals	Period	Keyboard Command
0 Minute	Tick by tick	0
1-60 Minutes	1-60 Minutes	Enter number e.g. 15 for 15 minutes
Day	Daily	.DAY
Week	Weekly	.WEEK
Month	Monthly	.MONTH
Quarter	Quarterly	.QUAR
Year	Yearly	.YEAR

If the time interval you want is not listed, type the number of minutes (0-1439) you want to use and press **Enter**. For example, enter number 240 for 240 minutes or 4 hours chart.

Adding/Removing Indicators



1. Mar Overlays

Overlays are a class of technical indicators with the distinguishing characteristic of plotting on the same price scale as an instrument's price data. Moving averages are perhaps the most common example of this type of study. Aspen offers the following overlays:

To add an Indicator, follow these steps:

- 1) Click **Overlays** and a list of indicators will appear.
- 2) Select the indicator that you want to add. For example, click at Moving Average to add Moving Average in to the current chart.



2. 🕅 • Expert Advisor

Signals are a class of overlays characterized by the rendering of buy and sell signals as elements of the chart.

To add an expert advisor, follow these steps:

- 1) Click on the price chart panel to make it as an active panel. The panel border will turn orange.
- 2) Click *** Expert Advisor**.
- 3) Select the expert advisor that you want to add.



3. 🖄 Indicators

Add an indicator to the active panel.

To add an Indicator to active panel, follow these steps:

- 1) Click on the panel that you want to add an indicator to make it as an active border. The panel border will turn orange.
- 2) Click 🚬 Indicators.
- 3) Select the indicator that you want to add. For example, add MACD Oscillator in the same panel as MACD.





4. 🚵 Add Indicator to New Panel

Add an indicator to a new panel. Click to choose the indicator of your choice to be added in a new panel.

To add an Indicator to a new panel, follow these steps:

- 1) Click 🖄 Indicators.
- 2) Select the indicator that you want to add. For example, add Directional Oscillator.

Chart 		
	<u> </u>	
High = 11.83	Chande Momentum Oscillator	
Low = 11.40 Close = 11.74 MI < 70	Commodity Channel Index	
10/14/2013	Cumulative Volume Index	
**** RMI > 30	Cutler's RSI	- 🗆 ×
	Detrend Price Oscillator	00
	Directional Indicator RMI	90
MACD = 0.2166 + Signal = 0.1685 +	Dynamic Momentum IN	00
	Ease Of Movement II > 30 9.0	0
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El MA El Sig	$\frac{\text{CD}}{\text{nal}} = 0.2166 mach shows a star show $	0 0
	10/14/2013	50
	Directional Movement Oscillator 20. 0 = 12.94 0.0 0.0 0/14/2013 -20 -20 /1 8/12 8/19 8/26 9/2 9/9 9/16 9/23 9/30 10/7 1	00 0 1.00 Day

5. Martin Study Properties

Every study has a set of properties that are unique. These Study Properties include the number of periods, or bars, to use, whether to use a simple or exponential moving average, or which price, open or last, to use in calculating the study. Where possible, the default properties adhere to the choices made by a study's author.

To display the properties dialog for a study,

- Click on the study panel to make it as an active panel. The panel border will turn orange. Then click
 Study Properties. OR
- Click ▼ icon in the value window box will display **Study Properties** window of the selected indicator.



6. 🛃 Remove Study

Remove indicators in the active panel.

To remove an indicator in the active panel, follow these steps:

- Click the panel that contains the study you want to remove to make it as an active window. The panel border will turn orange.
- 2) Click **Remove Study**.
- 3) Select the study you want to remove.

7. 🔀 Remove All Overlays

Remove all overlays indicators from a panel at once.

To remove all overlay indicators, follow these steps:

- 1) Click the panel you want to remove all overlay indicators to make it as an active panel. The panel border will turn orange.
- 2) Click 🔀 Remove All Overlays.





8. 🛃 🚹 Move Panel Down/Up

These two buttons allow you to rearrange panels with in the Chart window.

To move the panel up or down, follow these steps:

- 1) Click the panel you want to move to make it as an active panel. The panel border will turn orange.
- Click Move Panel Down to move the active panel down or click Move Panel Up to move the active panel up.

My Chart	- 🗆 ×
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$\begin{array}{c} \text{High} = 11.49^{\circ} \\ \text{High} = 11.83^{\circ} \\ \text{Low} = 11.40^{\circ} \\ \text{Low} = 11.40^{\circ} \\ \text{High} = 11.40^{$	11.90 11.00
Avg(5) = 11.48 * 10/14/2013	10.00 9.00
DIO = 12.94 - ectional Movement Oscillator 10/14/2013	20.00 0.00 -20.00
8/1 8/12 8/19 8/26 9/2 9/9 9/16 9/23 9/30 10/7	Day

9. 🔀 Remove Panel

Remove or delete a panel.

To remove a panel, follow these steps:

- 1) Click the panel you want to remove to make it as an active panel. The panel border will turn orange.
- 2) Click 🔀 Remove Panel.



Layers

Layer Charts allow users to display multiple symbols on the same chart even when the price scales do not match. Layer charts allow users to analyze price movements of two or more related symbols that normally would have to be displayed in separate charts.



1. 🔄 Add Layer

Adding a layer adds an empty chart pane as a tab. All tabs are located along the top border of the chart. If a layer is empty, the tab will read "Empty." If the layer contains an instrument, the instrument's symbol will show up on the tab. Click the tab containing the instrument you want to see.

If a chart contains more than one panel, layers are disabled.

To add a layer, follow these steps:

1) Click ᅝ Add Layer, a new tab will be added.



2) Enter the symbol that you want to display in the new layer and then press **Enter**.



3) To add more symbols, repeats step 1-2.

2. 🗟 Remove Layer

To remove a layer, first display the layer you want to remove. Then click 🔯 **Remove Layer**.



3. Transparent Layers

Transparent layers make the chart background "see-through." When layers are transparent, you see all the instruments in all the layers. With automatic scaling, transparent layers provide a clear view of how instruments are trading relative to one another.

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4. Synchronize Layers

This button allows you to link all the layers together, so that when any change is made, that change will apply to all layers at the same time. Available options are:

Option	Function
Sync Bar Spacing	Synchronizes bar spacing—the space between bars.
Sync Time Frame	Synchronizes all layers to the same time base (chart interval).
Sync Time Scale	Synchronizes the time scales of all layers. Use this form of synchronization to ensure that all layers display the same historical context.
Sync Price Scale	Synchronizes the price scales of all layers. Use this form of display the relative trading levels of all data.
Sync Studies	Synchronizes the study(ies) in all layers. Note: A split chart—that is, a chart with two or more panels that display indicators— cannot be split. Add layers before adding indicators.
Sync Symbol	Synchronizes the symbol in all layers. Use this form of synchronization to display the same symbol in a variety of chart contexts.

Drawing and Deleting Trend Lines



This set of tools let you draw the trend lines and take notes on the price chart. Tools are listed below.

1. / Freehand Trend Line

This tool lets you choose where a trend line begins and end.

To draw a Trend Line, follow these steps:

- 1) Click **/ Freehand Trend Line**.
- 2) Position the cross-hair over a significant price and click the left mouse key.
- 3) Move the cross-hair to another significant price.
- 4) A line appears as you move the cross-hair.



5) Click on the significant price with the left mouse key to lock the line into place.



2. — Horizontal Line

To draw a Horizontal Line, follow these steps:

- 1) Click Horizontal Line.
- 2) Then position the cross-hair cursor on the price where you want the horizontal line to appear and click the left mouse key.



3. 🥖 Trend Channel

Trend Channels enable you to establish your own support and resistance levels with parallel lines.

To draw Channel Lines, follow these steps:

- 1) Click 🦊 Trend Channel.
- 2) Position the cross-hair over a significant price and click the left mouse key to begin drawing.
- 3) Move the cross-hair to another significant price.
- 4) A line appears as you move the cross-hair.
- 5) Click on the significant price with the left mouse key.



- 6) Move the cross hair to form a channel.
- 7) A parallel line appears as you move the mouse.



8) Click the left mouse key to lock the parallel line into place.



4. *Key* Speed Lines

Speed lines are a form of trend analysis that combines the concepts of support and resistance with channels. Speed Lines help identify the rate of ascent or descent of a trend while offering resistance and breakout levels.

To draw Speed Lines, follow these steps:

- 1) Identify the origin of a trend and the highest or lowest point of the trend.
- 2) Click **< Speed Lines**.
- 3) Position the cross-hair over the origin point and click the left mouse key.
- 4) Move the cross-hair to a significant high or low.
- 5) Speed Lines appears as you move the cross-hair.



6) Click on the significant price with the left mouse key to lock the Speed Lines into place.



5. 🖉 Andrews' Pitchfork

Andrews' Pitchfork, also known as the Median Line (ML) method, Andrews' Lines, and median Lines of Resistance (MLR), was developed by Dr. Alan Andrews. This method employs three key price points. First, a line is drawn between significant price point A and significant price point B. This line is bisected, and the median of this line forms a base point for a second line, known as the median line. You then identify the base point C, normally a significant high or low preceding points A and B. The tines of the fork extend from points A and B, parallel to the median line. The resulting formation resembles a pitchfork, but more importantly, the resulting formation provides support and resistance levels for future analysis.

To draw Andrews' Pitchfork, follow these steps:

- 1) Identify significant price points A (significant high), B (significant low), and C (significant price).
- 2) Click 🖉 Andrews' Pitchfork.
- 3) Position the cross-hair over point A and click the left mouse key.
- 4) Move the cross-hair to point B.
- 5) A line appears as you move the cross-hair.
- 6) Click on price point B with the left mouse key.



- 7) Move the cross-hair to point C.
- 8) The median line forms as you move the mouse.
- 9) Click on price point C to lock in Andrews' Pitchfork.



6. 🐨 Fibonacci

Fibonacci analysis is based on the work of Leonardo Fibonacci, a thirteenth century Italian mathematician. Fibonacci trend lines use integers in the Fibonacci infinite sequence to identify significant support and resistance levels. The Fibonacci infinite sequence is a pattern in which the first two terms are added, and all subsequent terms are the sum of the preceding pair, i.e., 1, 2, 3, 5, 8, 13, 21, 34, 55, 89, 144,...

This tool allows you to draw a variety of Fibonacci tools.

A. **Fibonacci Retracements**

To draw a Fibonacci Retracements, follow these steps:

- 1) Identify significant price points A (significant high), and B (significant low).
- 2) Click **G** Fibonacci and select \equiv Retracements.
- 3) Position the cross-hair over point A and click the left mouse key.
- 4) Move the cross-hair to point B.
- 5) Click on price point B with the left mouse key.
- 6) The retracements appear between the significant prices.



B. N Fibonacci Arc

To draw a Fibonacci Arc, follow these steps:

- 1) Identify significant price points A (significant high), and B (significant low).
- 2) Click Stribonacci and select Arc.
- 3) Position the cross-hair over point A and click the left mouse key.
- 4) Move the cross-hair to point B.
- 5) Click on price point B with the left mouse key.
- 6) The Fibonacci Arc appear between the significant prices.



C. 🖉 Fibonacci Fan

To draw a Fibonacci Fan, follow these steps:

- 1) Identify significant price points A (significant high), and B (significant low).
- 2) Click 🚳 🔭 Fibonacci and select 🚄 Fan.
- 3) Position the cross-hair over point A and click the left mouse key.
- 4) Move the cross-hair to point B.
- 5) Click on price point B with the left mouse key.
- 6) The Fibonacci Fan appear.



D. Single-Bar Time Zones

To draw Fibonacci Time Zones, follow these steps:

- 1) Identify significant price points (significant high or significant low).
- 2) Click **G** Fibonacci and select **III** Single-Bar Time Zones.
- 3) Position the cross-hair over significant point and click the left mouse key.
- 4) The Fibonacci Time Zones appear.



E. Custom Time Zones

Fibonacci Custom Time Zones enable you to specify the width of the first Fibonacci period.

To draw a Fibonacci Fan, follow these steps:

- 1) Identify significant price points A (significant high), and B (significant low).
- 2) Click **Fibonacci** and select **Custom Time Zones**.
- 3) Position the cross-hair over point A and click the left mouse key.
- 4) Move the cross-hair to point B.

- 5) Click on price point B with the left mouse key.
- 6) The Fibonacci Custom Time Zones appear.



F. = Projection

Drawing Fibonacci Projections involves identifying a meaningful trend (up or down), and then identifying a significant recent price (if not the current price). The range that defines the trend governs the projection. The direction of the projection (up or down) is a function of the order in which you identify the trend. Identifying the trend low to high projects up, while identifying the trend high to low projects down.

To draw Fibonacci Projections, follow these steps:

- 1) Identify significant price points A (swing low), B (swing high), and C (price retracement against swing high) for uptrends do it reverse for downtrends.
- 2) Click **•** Fibonacci and select = Projection.
- 3) Position the cross-hair over point A and click the left mouse key.
- 4) Move the cross-hair to point B.
- 5) Click on price point B with the left mouse key.
- 6) Move the cross-hair to point C.
- 7) Click on price point B with the left mouse key.
- 8) The Fibonacci Projection appear.



7. A Annotate Chart

The annotation tool enables you to place text on a chart.

To use this tool, follow these steps:

- 1) Click **A** Annotate Chart.
- 2) Position the cross-hair where you want to place text.
- 3) Click the left mouse key.
- 4) A text entry field opens.
- Type the text you want on the chart. Note that pressing **Enter** creates a line break.



6) Press **Ctrl + Enter** when you're finished typing.



7) To modify the annotate chart properties, click **Properties**.

Text	3
Alignment Center Color FontFamily Segoe UI FontSize 12 FontStretch Normal FontStyle Normal	
FontWeight Normal •	
OK Cancel Apply)

8. 🖓 Call Out

The callout tool enables you to create callouts that detail price levels and market activity on a chart.

To create a callout, follow these steps:

- 1) Click 🖓 Call Out.
- 2) Position the cross-hair over a significant price and click the left mouse key.
- 3) Move the callout to an area above or below price activity where there's room to enter text.
- 4) A line appears as you move the cross-hair.
- 5) Click the left mouse key again to lock the callout into place.
- 6) Enter the callout text in the field provided. Note that pressing **Enter** creates a line break.
- 7) Press Ctrl + Enter when you're finished typing.



8) To modify the call out properties, click **Properties**.

9. 🔦 Delete Selected Object

To delete a trend line or a drawing object, follow these steps:

- 1) Click **Pointer Tool** button to enter **Edit Mode**.
- 2) Move the cursor over the line or drawing object you want to delete.
- 3) Click the left mouse key.
- 4) Click 🗡 Delete Selected Object or press Delete button on your keyboard.



10. X Delete All Objects

To delete a trend line or a drawing object, follow these steps:

- 1) Click **Pointer Tool** button to enter **Edit Mode**.
- 2) Click **X Delete All Objects** or press **Delete** button on your keyboard.



3) Delete All Objects dialog is displayed.

Delete All Objects		23
Do you want to delet	te all drawing (objects ?
	ок	Cancel

4) Click **OK**.

11. Pointer Tool

The pointer tool enables you to pivot, move, and copy trend lines, text objects, and shapes.

12. Rivoting Trend Lines

To pivot a trend line, follow these steps:

1) Position the pointer over an end point (white circle in the line).



2) Then left click and drag. The selected end point moves under the mouse.



3) Release the left mouse key to lock the line into place.



13. A Moving Objects

To move an object, follow these steps:

- 1) Click the 🎙 **Pointer Tool**.
- 2) Then click the object you want to move. The mouse pointer turns into a move pointer $\frac{1}{\sqrt{3}}$.
- 3) Click and hold the left mouse pointer and drag the object where you want it.
- 4) When the object is where you want it, release the left mouse key.

14. 🗟 Copying Objects

To copy an object, duplicate the steps above for moving an object while holding the **Ctrl** key down.

15. 🧖 Price Snap

Price snap causes a trend line to snap to the nearest price on the nearest bar. You can turn price snap on or off by clicking **Price Snap**.

16. 🛄 Grid Lines

You can hide or show grid lines by clicking **Grid Lines**.



17. Troperties

Displays the properties of the chart, or, if an object in the chart is selected, the properties of that object.

1) Chart Properties

Chart Properties	Chart Properties	×
Scale Data	Scale Data	
Vertical Price Scale Linear Log Percent change Horizontal Scale Width: DAILY Days 1	 Display bars for day session. Display bars for night session. Remove gaps in chart. 	OK Cancel
OK Cancel		

Scale Tab

The Vertical Price Scale properties are mutually exclusive (only one can be selected). The radio buttons in this group enable you to adjust the price scale.

Property	Function
Linear	Applies Linear price scale.
Log	Applies Logarithm price scale.
Percent Change	Applies Percent Change price scale.

The Horizontal Scale group contains time base properties:

Property	Function
Width	The Width field controls which database (tick, 15 minute, or daily)
	you want to access.
1	Changing the value in the Width property changes the label of this
	property because this property modifies the Width property.

Data Tab

Property	Function
Display bars for day session	Displays day session data only.
Display bars for night session	Displays day and night session data.
Remove gaps in chart	Removes gaps in charts.

2) Trend Line/Drawing Object Properties

Click on the Trend Line or Drawing Object that you want to change its properties, and then click Properties icon on the toolbar.



Channel L	ine Propert	ies				×
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100.00%	100	Solid	•	1	-	
23.60%	23.6	Solid	•	1	-	
38.20%	38.2	Solid	•	1	-	
50.00%	50	Solid	•	1	-	
61.80%	61.8	Solid	•	1	-	
76.40%	76.4	Solid	•	1	-	
		Mirror	- [Repeat		

Extending a Trend Line

To extend a trend line with the mouse, follow these steps:

- 1. Click the **Pointer Tool**.
- 2. Double click the left mouse key on the trend line end-point you want to extend.
- 3. The line is extended from the selected end-point. The point at which the line was extended is marked by a white circle in the line.



Truncating a Trend Line

A trend line may be truncated only if it has been extended. To extend a trend line with the mouse, follow these steps:

- 1. Click the **Pointer Tool**.
- 2. Double click the left mouse key on the trend line end-point you want to truncate.
- 3. The line is truncated from the selected end-point.



Quote

While the Quote window displays only some of the items displayed in a full-quote window, it can show quotes for several stock at the same time.

• Click 🗮 Quote icon to open a Quote window.

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▲ 266 ★ 277	▶ 158 Day Low Day High Prev	1422.86 MktCap		336.00
Buy	Sell 1422.79 1426.82 P/E	Yield		330.00
101%	P/BV	Time	10:21	325.00
	Open: 1424.90			315.00
SYMB %BI	Y/%SELL TRADE CHANGE %CHG %B-	S OPEN HIGH LOW PREV	VOLUME VALUE TRADI	310.00
CONSUMP 30%	61% 134.93 0.64 0.48 W	134.67 135.02 134.23 134	L29 10494 116959	No Gaps
FINCIAL 55%	45% 181.57 0.08 0.04 9.	40 182.15 182.53 181.09 181	.49 275721 2325730	MACD 3.00
INDUS 61%	<u>39%</u> 129.68 -0.32 -0.25 22.	30 130.39 130.57 129.09 130	0.00 4158445 3414206	1.00 -1.00
PROPCON 58%	42% 135.21 1.38 1.03 15.	00 134.16 135.32 134.08 133	3.83 4522663 10452412	No Gaps
RESOURC 57%	43% 189.60 -0.97 -0.51 14.	40 190.37 190.74 189.17 190	0.57 331324 3255723	Slow Stochastic 90.00
SERVICE 52%	48% 300.82 1.66 11.21 3.	10 302.29 302.29 300.22 301 72 173.45 173.74 173.76 173	1.50 1190707 4563879	70.00
AGRI 61%	20% 218 92 -1.75 -0.70 22.	72 219 56 220 69 218 86 220	0.57 38462 147695	50.00
AUTO 41%	59% 549.51 -1.84 -0.33 17	1 554.41 555.88 547.99 551	1.35 15279 203044	No Gaps 10.00
BANK 51%	49% 541.83 0.35 0.06 1.	10 543.81 544.68 540.19 541	1.48 126098 1834044	Volume 60000.00
COMM 53%	47% 29272.10 -172.77 -0.59 6.	14 29505.28 29506.08 29195.42 29414	1.87 101584 2098601	
CONMAT 51%	49% 10945.99 80.65 0.74 1.	86 10831.58 10956.42 10830.05 10855	5.34 113696 562225 🗸	ENO Gaps
EN Manual				
			BLAND 61% 39%	PROJECTED TRADE CHANGE %CHG VOLUME
	Results for: AL		TGPRO 73% 27%	0.76 0.89 0.19 27.14 2326577
13:36 IQ	PII คาดการเช่นามนบ 56 เตเกลเคยง 5%	เนป 55,จบตาน เยบายตรงด เซล	QH 58% 42%	2.94 3.10 0.16 5.44 291295
13:35 IQ	ส.ตราสารหนี้ เผยเงินทุนต่างชาติไหลเข้าตราส	สารหนี้ระยะสั้นดันบาทแข็งหนัก	BJC 58% 42%	65.25 66.75 1.75 2.69 11656
13:34 XNA	First submarine cable links mainla	nd, Taiwan	PF 69% 31%	1.23 1.32 0.10 8.20 567989
13:32 IQ	*NOBLE ตั้งเป้าปี 56 ยอดชาย 7-8 พันลบ.ร	ายได้โต 30-40%จากปีก่อน		-
13:30 PRG	Group Lease targets strong sales g	rowth in 2013		
13:30 XNA	Indian court convicts northern sta	te's former chief minister in	ı gr	
13:29 PRG	GL ตั้งเป้ายอดปล่อยสินเชื่อแตะระดับ 1 หมื่นคั	แต่อ เดือนกลางปีนี้ ชี้เติบโต เร็วกว่าคาด	เพ	
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13:28 SIMS	GJS: แจ้งการลดทนจดทะ เบียนที่ยังไม่ได้จัดสร	รและการ เพิ่มทนจดทะ เบียนของบริษัท		
13.27 XNA	Roundup: Chavez "making progress"	as political challenges mount		· · · · · · · · · · · · · · · · · · ·
TECH 64% AGRI 61% AUTO 41% BANK 51% COMM 53% Manage 13 Manage 13 13:36 IQ 13:35 IQ 13:32 IQ 13:30 PRG 13:30 XNA 13:29 PRG 13:28 SIMS 13:28 SIMS 13:27 XNA	36% 172.98 -053 0.01 27. 39% 218.92 -1.03 0.09 22. 39% 549.51 -1.04 0.03 0.7 49% 541.83 0.35 0.06 1. 47% 29272.10 -172.77 -0.59 6. 49% 10945.99 80.65 0.74 1. 7 49% 10945.99 80.65 0.74 1. 7 49% 10945.99 80.65 0.74 1. 7 A* 12 6 1.49% 1.49% 7 A* 12 6 0 7 8 4.9% 10945.99 80.65 0.74 1. 7 A* 12 6 0 7 1.49% 8 4.5 1 56 16 1.6 1.6 8 1.19 56 16 1.6 1.6 1.6 9 1.19	72 173.45 173.74 172.76 173 72 219.56 123.74 172.76 173 72 219.56 220.69 218.86 220 70 554.41 555.88 547.99 551 10 543.81 544.68 540.19 541 14 29505.28 29506.08 29195.42 29444 86 10831.58 10956.42 10830.05 10855 14 14 29505.28 10956.42 10830.05 10855 14 14 29505.28 10956.42 10830.05 10855 14 14 29505.28 10956.42 10830.05 10855 14 15 14 10 15 10 54.1 55.8 10956.42 10830.05 10855 10 14 10 15 10 10 15 10 10 14 10 15 17 18 10 10 18 10 18 10 10 19 14 10 10 10 10 10 17 18 10 10 10 10 10 10 10 10 10 10 10 10 10 10 11 14 10 10 10 10 14 10 14 10 1	1.51 6768115 2248609 1.67 38462 147695 3.5 15279 203044 4.88 126098 1834044 1.87 101594 2098601 3.34 113696 562225 • - □ × 1% Quate1 • BLAND 61% 29% 0 GPR 73% 22% PF 69% 31% • GPR 58% 42% BIC 58% 42% BIC 58% 42% PF 69% 31%	Yolune 50.00 30.00 10.01 Yolune 6000.01 0.101 11/10 11/30 12/14 12/28 PROJECTED TRADE CHANGE %CHG VOLUME 1.63 1.76 0.18 11.39 2166673 0.76 0.89 0.19 27.14 2326577 0.76 0.89 0.19 27.14 2326577 1.23 1.32 0.10 8.20 567985

Adding/Removing/Changing Symbols

1. To add a stock to the Quote window, simply type the symbol and press **Enter**. The symbol added most recently will appear at the bottom of the list.

🧱 Quote								- 0	×	
4 🛪 🗙	19 19 1	1 🗉 🗓	2 2 ₽ -	BA A						
SYMB	%BUY/%	6SELL	PBV	MCAPR	EPS	%CHG▲	VOLUME	TRADE		
SET50	74%	2 <mark>6%</mark>	2.47	25.57			517460	976.23	-	
SCC	90%	10% <mark>0</mark>	3.36	4.16	15.60		2555	430.00		
BANPU	82%	18 <mark>%</mark>		bbl	1		10493	28.00		
РТТ	60%	40%	1.39		16.94	0.32	3823	312.00		
				B	BL		BANGKOK	BANK PUB	LIC C	0.,
				В	<mark>BL_</mark> BL		BBL Big Lo	t Avg.Price	e	
•				B	BL_COI		BBL Future	es Cont. Ol	I	
				В	BL_CON		BBL Future	es Continue	ous	
				в	BL_F		BANGKOK	BANK PUB	LIC O	o.,
Show all results matching "bbl "										

2. To remove a stock from the list, click to select that stock. The stock will be highlighted yellow and a dropdown box will appear. Click the arrow and select 'Clear'.



3. To replace one stock on the list with another, double click that stock, type the symbol of the stock you want to replace it with and press Enter.

🧱 Quote								- 0	×
# 🌫 🗙	1	i 🗉 🗓	2 2₽ -	BA A					
SYMB	%BUY/9	6SELL	PBV	MCAPR	EPS	%CHG▲	VOLUME	TRADE	
SET50	72%	2 <mark>8%</mark>	2.47	25.57		0.01	660118	977.19	
SCC	82%	18 <mark>%</mark>	3.36	4.16	15.60		3803	430.00	
BANPU	79%	21 <mark>%</mark>				0.00	11772	28.25	
PTT	- 10/0	43%	1.39	7.13	16.94	0.32	7348	312.00	
Doubl	e-click type the ant to r	that st symb eplace	ock, ol tha it.	nt				•	•

Adding/Removing Columns

1. Click Manage Quote Fields button. The list of column names will appear.



2. To add a column, click the column name and drag it to where you want to add the new column.



3. To remove a column, click the column header and drag it out from the row.

🧱 Quote								- 🗆 >
4 🗱 🔀	1 1 1	😫 💷	22	Click t	he colu	mn		
SYMB	%BUY/%	SELL	PBV	<mark>∧</mark> name		; 9	%SWING▲	VOLUME
SCC	85%	15 <mark>%</mark>	3.36	4.16	15.60	-0.45	0.53	4843
PTT	58%	42%	1.39	7.13	10		0.96	8510
SET50	70%	30%	2.47	25.5	%51		1.19	894624
CPF	50%	50%	1.80	1.5	0.3		1.22	47118
BANPU	76%	2 <mark>4%</mark>				0.00	2.65	16958
				Drag i	t out fr	om the		
				colum	n name	•		
•								+

Moving Columns

- 1. Click on the column that you want to move.
- 2. Drag the column to another location.

🗮 Quote1										– 🗆 ×				
# 🏁 🔀														
SYMB	%BUY/9	%SELL	TRADE	CHANGE	%CHG	DIVYLD	VALUE(K)	DIVYLD▲	PE	PBV				
TRUE	56%	44%	8.50		1.80	105645	4 1403703	0.00		13.09 🔺				
ITD	50%	50%	5.75			794598	455133	0.00	34.52	3.16				
BTS	54%	46%	9.00			447365	402493	0.00		0.00				
KBANK_F	55%	45%	189.00	0.00	0.00	18157	343653	0.00		0.00				
BANPU	49%	51%	27.75		-0.89	71144	196279	0.00		0.00 🔻				

3. Release the left mouse key.

🧱 Quote1										- 0	×		
분 🌣 🔀	X 1 🗄 🗄 🛄 🞲 💱 - 🖪 A 🗡 🧟												
SYMB	%BUY/	%SELL	TRADE	CHANGE	%CHG	DIVYLD	VOLUME	VALUE(K)	PE	PBV			
SIRI	55%	45%	2.14	0.00	0.00	6.97	413873	88789	7.66	1.32			
TTA	52%	48%	17.10			6.06	87714	150384		0.73			
INTUCH	46%	54%	80.75			4.61	170966	1386504	18.16	10.84			
CPF	46%	54%	24.20	0.00	0.00	4.55	160294	390776	35.33	1.78			
ADVANC	52%	48%	237.00			4.50	93315	2217177	20.03	15.11	-		

Sorting Data

You can sort data by Ascending or Descending by click on the desire column heading. Sorting icon \wedge/\forall will be displayed on the column heading.

🧱 Quote1										- 0	X			
4 🛪 X	▶ ≫ 🔀 😫 🖴 💷 📴 Ѯ? → B A* A* 🤜													
SYMB	%BUY/	%SELL	TRADE	CHANGE	%CHG	VOLUME	VALUE(K)	DIVYLD▼	PE	PBV				
SIRI	55%	45%	2.12			410433	88053	6.97	7.66	1.32				
TTA	52%	48%	17.10			87684	150333	6.06		0.73				
INTUCH	46%	54%	81.00			170112	1379600	4.61	18.16	10.84				
CPF	46%	54%	24.20	0.00	0.00	159935	389905	4.55	35.33	1.78				
ADVANC	53%	47%	238.00	-4.00	-1.65	91552	2175398	4.50	20.03	15.11	Ŧ			

News

The News window displays Real-Time News reports on Financial and Capital Markets from several sources, both local and foreign News.

• Click **News** icon to open a News window.

News1			×
🕂 All	R 🛛	- 🗒 A A 🕺 🔜 🗐 🕕 🤜	
		Results for: All	
15:42	IQ	*"พี.ซี.เอส. แมซีน กรุ๊ปฯ" คาดเข้าเทรดใน SET ภายในปีนี้	1
15:40	PRI	Moody's changes outlook on Ausdrill Limited's rating to negative from stable	
15:39	XNA	Wasps posing danger in New Zealand forests, warn scientists	
15:38	IQ	ภาวะตลาดหุ้นฮ่องกง: ฮั่งเส็งปิดลบ 155.91 จุด หลังหุ้นการเงินจีนร่วง	
15:36	XNA	NBA results	Ŧ

News Toolbar

All 🧧		2	A A		0	Q
-------	--	---	-----	--	----------	---

lcon	Functio	on and a second s						
All	All. Displays all news headlines.							
21	Search by Language. Toggle menu.							
	lcon	Function						
		Displays all languages.						
		Displays Thai language news only.						
		Displays English language news only.						
	-							
-	News Source. Choose the news source that you wa							
	All Sources							
	Δ.	spen Announcement (EN/TH)						
		abinet Resolutions (TH)						
		abinet Resolutions (TH)						
	Ca	abinet Resolutions Synopsis (EN)						
	Co	ommentaries and Research Articles (EN/TH)						
	In	foQuest (TH)						
		\vee						

lcon	Function
	News Headlines Setting. Choose news columns to be displayed and re-arrange news columns.
	✓ Display Time ✓ News Source ✓ Headline ✓ OK
A	Increase Text Size.
Ă	Decrease Text Size.
	Back to Headline.
	Previous Page.
	Next Page.
0	Disable Dynamic News Update.
	Enable Dynamic News Update.
Q	Symbol Lookup. Displays Symbol Lookup window.

News Source

To select News Source, click News Source and then select the sources you want.



Reading News Articles

Click a News headline to read the full article.

News	– 🗆 ×
🕂 All 🛒	🤹 😳 A* 🛪 🖪 🔤 🔄 🛈 🔍
	Results for: All ธนาคารกลางนิวซีแลนด์มีมติคงดอกเบีย 2.5% คาด 🔺
11:34 IQ	ดัชนี FBMKLCI ตลาดหุ้นมาเลเซียปิดภาคเช้าที่
11:29 IQ	ภาวะตลาดหุ้นอินเดีย: ดัชนี Sensex เปิดลบ 33.
11:26 PRG	สรุปภาวะ SET50 Index Future By GT Wea
11:22 IQ	*ธนาคารกลางญี่ปุ่นมีมติคงนโยบายการ เงินต่อไป <i>ห</i>
11:21 XNA	Indian stocks Upen lower
11:21 XNA	CEI Click a News Headline output pick
11:18 IQ	ธน <mark>า to read News Story</mark> าร เงินต่อไป ทรื
4	



lcon	ΤοοΙ	Description
	Back to Headline	To return to the news headline list.
F	Previous Story	Displays the previous story in the list of headlines.
	Next Story	Displays the next story in the list of headlines.

Open PDF or ZIP file

Some news articles may come attached with a PDF or ZIP file. You can view the attach file by clicking **Download** button.



Searching News

1. Type in a keyword and press **Enter**. News articles that contain the keyword will be listed and keyword will be highlighted.



- 2 You can also use more than one keyword at a time.
 - 1) If you want News articles that contain both keywords, link them with '**space**'.

News1	- C	ı x
🕂 All 🎇 🚺 -	🗒 A Ă Ă 🖪 🚍 🗊 🕡 🔍	
	Results for: FED QE	
10:34	CMNT Market Comment - Phillip Securities	Â
8:47	CMNT KBank Daily Update - KASIKORNBANK	Н
11/ 1 11:16	CMNT MarketCoot Krungsri Securities	
11/ 1 8:48	CMNT KBank Corr, opdate - KASIKORNBANK	
10/31 14:10	CMNT FX Market Outlook - Bangkok Bank	
10/31 10:43	CMNT SCB EIC: Summary of EIC's Economic Ou	t T
4	•	

2) If you want News articles that contain at least one of the keywords, link them with 'or'.



3) If you want News article that contain a particular noun or phrase, use "" (Double Quote).

News2		– 🗆 ×
🕂 All 🛒 🗾 -	📑 A A 👔 🔜 🗐 🛈 🔍	
	Results for: "JOBLESS CLA	IMS"
11/ 1 14:27	CMNT FX Market Outlook -	Bangkok Bank
11/ 1 11:25	CMNT Derivatives Insight	- Phillip Securiti
11/ 1 10:14	CMNT	เซีย พลัส
11/ 1 9:43	CMNT Darry view - บด. กดกร	ไทย
11/ 1 8:48	CMNT KBank Daily Update -	KASIKORNBANK
10/31 21:51	XNA U.S. initial jobless	claims dip for th
4		•

4) If you want news articles covering a particular stock, type % followed by the **stock symbol**.

News2		– 🗆 ×
🕂 All 🔜 📑 🕇		A* A* 💽 🚍 🕕 🔍
		Results for: %PTT
14:14	IQ	PTT ยืนยันเสนอขายหุ้นกู้ 2.2 หมื่นลบ. 18-25 พ. 🔶
11/ 1 19:11	SIMS	PTT: แจ้งการปิดสมุดทะ เบียนพักการโอนกรรมสิทธิ์หุ้
11/ 1 19:11	SIMS	PTT: Classical of the Registration for I
11/ 1 10:53	CMNT	PTT : "#ptt" recommends "BUY", target
11/ 1 10:47	CMNT	PTT : ฟิลลิป แนะนำ "ซื้อ" ราคาเป้าหมาย 407
11/ 1 10:35	CMNT	PTT: Maybank Kim Eng recommends "Buy",
4		

Copying News

To copy the whole news article and put on the clipboard, follow these steps:

- 1. Click on the news headline that you want to copy.
- 2. Click **Copy** (the whole news article is highlighted).



3. Microsoft Silverlight dialog is displayed. Check 'Remember my answer' and click 'Yes'.

Microsoft Silverlight	
	Do you want to allow this Web application to access your clipboard?
	If you allow this, the Web application can copy data to and from the Clipboard as long as the application is running.
Silverlight	Website: http://sl.aspenthai.com:80
Silverlight	Remember my answer
	More information Yes No

4. Paste in the application that you want.

To copy part of the article, follow these steps:

- 1. Drag the part of news article you want.
- 2. Click 🗎 Copy.
- 3. Paste in the application that you want.

Printing News

- 1. Click on the news headline that you want to print.
- 2. Click 🖨 **Print** icon on the news toolbar.



- 3. **Print** dialog is displayed.
- 4. Click **Print** button.

Disable Dynamic News Update

You can choose whether to disable dynamic update or not. Click Dynamic Update button to toggle between enabling and disabling the feature.

This feature is applied to the selected News window only.

lcon	ΤοοΙ	Description
0	Disable Dynamic News Update	Stop or pause dynamic news update.
0	Enable Dynamic News Update	Start dynamic news update.



Full Quote

Full Quote lets you view important quote information of a single instrument.

🔽 Full Quote1 🗕 🗖 🗙										
TRUE				🔺 Trad	de Sid	e Volu	me	Change	%Ch	g Time
TRUE C	ORPORA	TION PUBLI	с	8.1	.0 I	3 50	00	+0.30	+3.85	10:26
Prev		7.80 Ope	en1	8.05	High	8.	15 Low	8.00	Avg	8.08
					Ceiling	10.	14 Floor	5.46	Proj	8.05
%Swing		1.92	Impact		0.3870	Time	Side	Volur	ne	Trade
Cum. Vo		523805	Cum. Val		423335	10:26	В	5	00	8.10
	Volume	Bid	Offer		Volume	10:26	B	5	00	8.10
	120700	8.05	8.10		52300	10:26	В	1	00	8.10
	143900	8.00	8 15		83200	10:20	B		20 20	8.10 9.10
	64400	7 05	8 20		66100	10.20	D D		20 10	0.10 9.10
	22050	7.00	0.20		00100	10.20	D		5	0.10 9.10
	23059	7.90	8.25		85000	10.20			1	0.10
	37300	7.85	8.30		60000	10.20	D	1	1 00	0.10
		Funda	mental			Buy 70.02	0/2	1	20	0.10 08% Soll
P/E			EPS		-0.29	Duy 70.02	70			.9070 Sell
Yield		0.00	DPS		0.00		The Stock	Exchange of	Thailand	
P/BV		12.23	BV		0.64	SÊT	1401.59	▲ (+13.19)	+0.95%)	
Mkt Cap		113336				10:26	Cum. Vol	951595 Cur	n. Val 5.43	8 M

To view Full Quote of any instrument:

- 1. Click **Full Quote** icon.
- 2. Full Quote window is displayed.
- 3. Type instrument symbol and press **Enter**.

Bid/Offer

View bid/offer price and volume of a single instrument.

🚼 Bid/Offer1 — 🗖 🗙									
TRUE	•	Buy	70.029	% 29.9	8% Sell				
Trade	Side	Vo	lume	Change	%Chg				
8.10	В		500	+0.30	+3.85				
Volume		Bid		Offer	Volume				
120700		8.05		8.10	52300				
143900		8.00		8.15	83200				
64400		7.95		8.20	66100				
23059		7.90		8.25	85000				
37300		7.85		8.30	60000				

To view Bid/Offer of any instrument:

- 1. Click 👪 Bid/Offer icon.
- 2. Bid/Offer window is displayed.
- 3. Type instrument symbol and press **Enter**.

Warrant Analytic

View Real-Time Quote and Analytic information for a Warrant or Derivative Warrant (DW).

warrant Analytic3 🗕 🗖									– 🗆 ×
Warrant	Trade	Vol	Change	%Chg	Proj	Volume	Bid	Offer	Volume
TMB01CC	0.75 ↓ B	50	0.00	0.00	0.75	12077		0.75	11978
Prev	Open	High	Low	Avg	%Swing	12087		0.76	12061
0.75	0.75	0.76	0.75	0.75	1.33	12032		0.77	13034
%Buy/%	∕₀Sell	Cum. Vo	lume	Cum. Value	Time	12071		0.78	12047
100%	0%		4470	336	10:08	12044		0.79	13025
	Today	23-Apr-13				B.Vol 49%		5	1% O.Vol
Listing Date			Maturity Da			Underlying	Trade	Change	%Chg
			Last Tradir	ng Date 28-Aug-1	3	тмв			-0.72
Name		CW	CW ON TMB OF BLS # C			Black-Scholes (BS) 0.72			
Call/Put		Call	Call			ey Status (MS)	ITM		
Exercise Ratio		1.28	1.28399:1			insic Value	0.69		
Exercise Price		1.87	1.877			ount (-)/Premium			
Remain Days		135	135			All in Premium (%) 2.90			
30-Day Hist. Vol (%)			47.45			Gearing (X) 2.87			
Break-Even Price			2.84			ı (%)	0. 9 4		
Listed Share (100 Shares)			1000000			Effective Gearing (X) 2.69			
Share Outstanding (100 Shares)			475 (19.00	%)	Impl	ied Volatility (%)	62.01		

To view Warrant Analytic:

- 1 Click Warrant Analytic icon.
- 2 Warrant Analytic window is displayed.
- 3 Type symbol of Warrant or Derivative Warrant and press Enter.

Warrant Comparison

View multiple Warrants and Derivative Warrants at the same time.

Click 🗱 icon to open Warrant Comparison.

📆 Warrant Compa	rison1									- 🗆 >	×
🕂 🔛 🛄 🞲 🖧	• B A	A 🕄									
Security Type DW	•	Filter by	Underlying	- U	nderlyi	ng BANPU	•				
SYMB	TRADE	CHANGE	Issuer	1E	MS	INTRINSIC	DISC(-)/ 🔺	BS	GEARING	ALL IN	
			Туре			VALUE	PREM(+)	PRICE		PREM.(%)	
BANP06CE	0.75		Underlying	100	ITM	0.68	+0.07	0.73	3.71	2.34 🖌	•
BANP23CA	0.08		-20.00	185051		0.00	+0.08	0.01	23.21	43.63	J
BANP01C1401A	1.18			9767	ITM	1.03	+0.15	1.06	3.29	3.95	
BANP28C1403A	0.16			212		0.00	+0.16	0.05	10.45	29.20	
BANP13C1403A	0.20			5701		0.00	+0.20	0.05	10.29	33.08	
BANP01C1404A	0.40			15607	ITM	0.11	+0.29	0.24	4.18	17.38	
BANP01P1401A	1.03	0.13	14.44	16033	ITM	0.56	+0.47	0.74	5.28	29.29	
BANP28C1402A	0.68			23007	ITM	0.03	+0.65	0.38	6.89	13.82 🖣	
•										+	

Menu	Description
Security Type	Select the security type you want to display.
	• Warrant
	DW or Derivative Warrant
Filter by	This option only available for DW. Select the criteria that you want to filter.
	• Issuer
	• Туре
	Underlying

Sorting Data

You can sort data by Ascending or Descending by click on the desire column heading. Sorting icon \wedge/\forall will be displayed on the column heading.

🚟 Warrant Compa	rison1									- 🗆
🕂 🔛 🛄 🏂 🎝	• B A [•]	A 🕄			_					
Security Type DW	•	Filter by	Туре	▼ Ту	pe P	ut 🔻)			
SYMB	TRADE	CHANGE	%CHG	VOLUME	MS	INTRINSIC VALUE	DISC(-)/ PREM(+)	BS PRICE	GEARING▼	ALL IN PREM.(%)
IVL13P1401A	0.55	0.14	34.15	56196	OTM	0.00	+0.55	0.20	14.00	-10.61
KBAN13PE	0.85	0.06	7.59	3302		0.00	+0.85	0.16	13.27	-3.83
PTTE13P1402A	0.82	0.08	10.81	4558		0.00	+0.82	0.16	11.32	1.57
INTU28P1401A	0.81	0.05	6.58	3310		0.00	+0.81	0.22	10.38	7.11
TRUE13P1402A	0.54	0.11	25.58	228003		0.00	+0.54	0.18	9.63	-9.49
INTU13PA	1.02	0.06	6.25	12200	ITM	0.10	+0.92	0.35	9.16	11.96
ADVA13PD	0.75	0.05		22298	ITM	0.22	+0.53	0.38	8.83	14.63
PTTG13PD	0.99	0.00	0.00	6060	ITM	0.16	+0.83	0.36	7.92	14.65
4										•

Adding/Removing Columns

Adding Columns

1. Click 🖾 Manage Quote Fields on the toolbar then select Warrant Info.



2. To add a column, click the column name and drag it to where you want to add the new column.



Removing Columns

To remove a column, click the column header and drag it out from the row.



Fixed Format

Page which contains data from multiple markets such as Stock, FX, Money, Fixed Income, and Commodity.

- Click I Fixed Format icon to open a Fixed Format window.
- Click the page number you desire **OR**

🕼 Fixed Format1		– 🗆 ×
10000 Local Data by CategoryInfoQuest	Text Page	
International Data		00001
Aspen Announcement		. 100
Local Announcement/FAQ		10020
Local Symbol Guide		10200
World Markets Holiday		19800
Stock Market in Thailand (SET/MAI)		
- SET/MAI Market		20000
- TRI & Beta Values		201 5
- Warrant Information Summary from KGI		20890
Warrat Averais Pealor		27.925
Type in the page number and press En	ter.	

🙀 Fixed Format1	– 🗆 ×
20000 T Stock Markets in ThailandInfoQuest	ext Page
SET/MAI Market	
Guide to The Stock Market of Thailand Abbrev SET Market Summary MAI Market Summary SET Industry & Sector Performance SET Individual Stock Performance MAI Individual Stock Performance SET Sector Summary	iations
MAI Sector Summary200 SET/MAI Sectoral Indices & Quotations Investor Types SFT Condition Trading Value by Investor Type	35 20170 22200

• Click a symbol in Fixed Format window to send the selected symbol to the other windows where a symbol linking has been made. E.g. send symbol to Chart window.

👍 Fixed Format	📴 🗕 🗖 🗙 🏧 Chart	
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20046 SET Individual Stock Performance	Text Page	SIAN INSULATORS PUBLIC (AI)
Symbol Par Mkt.Cap EPS Value Mil.Bt.	Book Period Div/ Value Mth End Amt Mth	14.00 13.00
Energy & Utilities	6/19 6/26 9/2 10 Full Quote	□ 9/9 9/10 9/23 9/30 10/7 10/14 Day □ - □ ×
ABPIF AI To send to another 0.45	0.00 0.00 AI 5 3.18 6 06/13 0.35 12 ASIAN INSULATORS PUBLIC	▲ Trade Side Volume Change %Chg Time 15.60 B 1125 +0.20 +1.30 16:39
window	Prev 15,40 Openi	Lista High 15.60 Low 15.20 Avg 15.44
📳 News 🛛 🔁 🗕 🗆 🗙	👫 Bid/Offer 📴 🗕 🗖 🗙 %Swing 2.60 Im	npact 0.0080 Time Side Volume Trade
🛔 All 🛒 📴 📆 A^ A´ 📓 🔜 🐺 🎽	Cum. Vol 12558 Cum. V	um. Val 19390 16:39 B 1125 15.60
C%AI (AI)	Trade Side Volume Change %Chg 637 15.60 15.60 B 1125 +0.20 +1.30 2742 15.40	15.70 858 15.80 1673 15.90 1208
SIMS AI: Right of Shareholders t	Volume Bid Offer Volume 4320 15:30 249 15:60 15:70 858 6196 15:20	16.00 1338 16.10 3451
SIMS AI: การเปิดโอกาสให้ผู้ถือหุ้นเสนอว	637 15.50 15.80 1673 2742 15.40 15.90 1208 Yield 2.92 D	ntal PS 0,45 Buy 62.88% 37.12% Sell PS 0,35 The Stock Exchange of Thailand
SIMS AI: การเปิดโอกาสให้ผ้ถือห้นเสนอว ◀	4320 15.30 16.00 1338 P/BV 4.85 B 6196 15.20 16.10 3451 Mkt Cap 7700	V 3.18 SET 1442.88 ▲ (+11.76,+0.82%) 17:29 Cum. Vol 7.251 M Cum. Val 37.547 M

• Click **Copy** on the toolbar to copy the information and paste in other applications.

🕼 Fixed Format	-
20000 Text Page	
button	
SET/MAI Market	
Guide to The Stock Market of Thailand Abbreviations 102	203
SET Market Summary 200	010
MAI Market Summary 200	020
SET Industry & Sector Performance	035
SET Individual Stock Performance	030
MAI Individual Stock Performance	L00
SET Sector Summary 201	125
MAI Sector Summary 201	L70
SET/MAI Sectoral Indices & Quotations	200
Investor Types	
SET Cumulative Trading Value by Investor Type	250
SET Daily Trading Value by Investor Type	251

• Click 🚔 **Print** icon on the toolbar to print out the information.

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20000 Text Page	
Stock Markets in ThailandInfoQuest	
SET/MAI Market	
Guide to The Stock Market of Thailand Abbreviations	10203
SET Market Summary	20010
MAI Market Summary	20020
SET Industry & Sector Performance	20035
SET Individual Stock Performance	20030
MAI Individual Stock Performance	20100
SET Sector Summary	20125
MAI Sector Summary	20170
SET/MAI Sectoral Indices & Quotations	22200
Investor Types	
SET Cumulative Trading Value by Investor Type	20250
SET Daily Trading Value by Investor Type	20251

Market Screener

Market Screener helps you find stocks that meet a set of criteria, which can be Price, Fundamental or Technical criteria. The stock list will be updated twice a day, at 1 p.m. and 6 p.m.

Click Market Screener to open a Market Screener window.

Market Screener Components



Part 1: Market Screener Toolbar

New	📂 Open 🛛 📑 🤅	Save Screen : Untitled							
lcon	Description								
	New Screen. Clicking this icon will launch a new screen without any conditions. Any conditions used previously will be removed								
<u>~</u>	Open Screen. Clicking this icon will display Open Screen dialog.								
	T I	neking this lean win display open selectif didlog.							
	To open saved s	screens:							
	 Click I to view the list of saved screens. The Open Screen dialog will appear. 								
	 The Open Screen dialog will appear. Click the screen you want to open 								
	Open Screen								
	Global								
	Break 52Wk	High All							
	Break 52Wk	Low All							
	DI Bearish	Criteria:							
	DI Bullish	Change: Between -300 AND 300							
	EMA13 > EM	A34 • Moving Average: EMA(2) > EMA(2) [Integral: Daily]							
	EMA3 > EMA	Moving Average: Close > EMA(3) [Interval: Daily] Moving Average: Close > EMA(3) [Interval: Daily]							
	EMA8 > EMA	13 • Volume: Between 0 AND 1,000,000,000							
	Gap Down	• Value: Between 0 AND 100,000,000							
		Open Cancel							
	Tab	Function							
	Global	Displays pro-define screens							
	llser	Displays pre-define screens.							
	03cl								
	4. Click	20							
	To delete save	d screens:							
	1. Click De	lete Screen. Green popup will appear							
	Delete Screen								
	Delete Scielen								
	Are you sure	e you want to delete this screen?							
		OK Cancel							
	2 Thomaliat	ОК							
	5. Then Click								

lcon	Description						
	Save Screen.						
	To save a set of conditions for future use:						
	 Select your desired conditions in the Customize Criteria panel. Click Save Screen. The Save Screen popup will appear. Type the pame you want to assign to the screen in the Screen Name box. 						
	4. Type the name you want to assign to the screen in the Screen Name box.						
	List to Screen: All Match: All Criteria:						
	Last: Between 0 AND 2,000 %Chg: Between -30 AND 30 Moving Average: TRADE > EMA(5) Slow Stochastic Cross: SLOW %K(14) > SLOW %D(14) Volume & Moving Average: VOLUME > SMA(5)_VOL Screen name: Short Term Buy Save Cancel						
	 5. Click Save 6. The screen name will appear on the toolbar Arket Screener 						
	New Open Screen : Short Term Buy Q List to screen All Price & Volume Customize Criteria Run Screen ticr Last						
Screen:	For a saved screen, its name will appear here. If the screen has not been saved, the word Untitled will be displayed.						

Part 2: Search Bar

All • t	he foll	lowing	con	ditions.				
All • ti	he foll	lowing	con	ditions.				
Close	•							
Close		-						
	_	2.8	•	EMA(5)	٠	Daily	•	8
EMA(5)	•	>=	•	EMA(10)	•	Daily	•	8
%K(14,3)	•	>=	•	%D(14,3,3)	•	Daily	•	8
Volume	•	>=	÷	SMA5(Vol)	•	Daily	•	۵
Refresh 🛉	Creat	te a ne	w Qu	iote List 🚺 Co	ey.			
EMA(10) S	ilow 1	%K(14		SLOW %D(14)	VOL	UME	SMA(5)_\	/OL
	EMA(5) %K(14,3) Volume Refresh EMA(10) 0.37	EMA(5) • %K(14,3) • Volume • Refresh • Creat EMA(10) SLOW • 0.37	EMA(5) • >= %K(14,3) • >= Volume • >= Refresh ♣ Create a ne EMA(10) SLOW %K(14 0.37 70	EMA(5)	EMA(5) • >= • EMA(10) %K(14,3) • >= • %D(14,3,3) Volume • >= • SMAS(Vol) Refresh ● Create a new Quote List ○ Co EMA(10) SLOW %K(14) SLOW %D(14) 0.37 70.71 65.13	EMA(5) • >= • EMA(10) • %K(14,3) • >= • %D(14,3,3) • Volume • >= • SMAS(Vol) • Refresh ● Create a new Quote List ◎ Copy EMA(10) SLOW %K(14) SLOW %D(14) VOL 0.37 70.71 65.13	EMA(5) • >= • EMA(10) • Daily %K(14,3) • >= • %D(14,3,3) • Daily Volume • >= • %MAS(Vol) • Daily Refresh ● Create a new Quote List ◎ Copy EMA(10) SLOW %K(14) SLOW %D(14) VOLUME 0.37 70.71 65.13 193863	EMA(5) • >= • EMA(10) • Daily • %K(14,3) • >= • %D(14,3,3) • Daily • Volume • >= • SMAS(Vol) • Daily • Refresh ● Create a new Quote List ● Copy EMA(10) SLOW %K(14) SLOW %D(14) VOLUME SMA(5)_V 0.37 70.71 65.13 193863 10

9

Type in a keyword and press **Enter** to find which categories the conditions that contain this keyword are under.

Example: You want to find a condition with the word 'moving' but you do not know under which category it is under.

- 1. Type 'moving' in the search box and press **Enter**. You will find **Moving Average** under the **Technical Analysis** category.
- 2. Click 😳 that follows **Moving Average**.
- 3. The **Moving Average** criteria will be added to the right panel and ready to be customized.
- **4.** To remove a criterion from the right panel, click **8** that follows that criterion.

Part 3: Criteria Categories



The screening criteria are divided into 4 categories:

- 1. Price & Volume
- 2. Analytics
- 3. Fundamentals
- 4. Technical Analysis Both Daily and Minute (60, 120 and 240 minutes) time series are available.

lcon	Description					
~	Click to show items under the category					
~	Click to hide items under the category					
0	Click to add a criterion to the Customize Criteria panel. If that criterion has already been added, a popup like the one below will appear.					
	Warning This criteria is already in the set. Are you sure you want to continue? OK Cancel					
	 Click OK if you wish to add the criterion. Click Cancel if you do not wish to add the criterion. 					

Part 4: List to screen

List to screen		Match All 🚽 the following conditions.
Customize C	All	en la sente de
	Sector	
	Industry	
	SET	
	SETSO	
	SETHD	
	MAI	
	DW/War	rant
Itom		Description
		Description
List to scre	en	Here you can limit your search to a particular group of stocks. If you select Sector or
		Industry, a list of Sectors or Industries will appear for you to choose from.
		List to screen Sector 🝷 All Sectors 👻
		All Sectors
		Customize Criteria Run Run
		AGRI
		AUTO
		BANK
		СОММ
		CONMAT
Match		You can also choose whether to view only stocks that meet all the criteria or to include
		stocks that meet only some criterion.
		Match T
		Any
		• Select 'All' to include only stocks that meet all the criteria, which is similar to using
		the "AND" search operator
		 Select 'Any' to include any stocks that meet at least one criterion, which is similar to
		using the " Ω R" search operator

Part 5: Customize Criteria



ltem	Description
Run Screen	Click Run Screen to compile a list of stocks that meet you desired criteria.
	Checking these boxes will include the corresponding criteria in the screening. Uncheck the boxes of criteria that you want to keep in the Customize Criteria panel but do not want to use in the screening

8

Clicking this red button will remove the corresponding criteria from the panel.

Part 6: Screen Results

	Display that met			a list of s t your crit	tocks Cl teria to	ick a column h sort the stock			
Scr	een Resul	ts: 97 Mai	tches	2 Refresh	+ Create a n	ew Quote List	Сору	-	۵
4	SYMBOL	TRADE	%CHG	EMA(5)	SLOW %K(5)	SLOW %D(5)	VOLUME -	SMA(5)_VOL	
V	TGPRO	1.12		1.1	48.75	32.37	2,070,490	1,487,413	1
V	CIG	1.2	7.14	1.14	51.64	32	1,304,929	458,051	•
V	TSF	2.34	4.46	2.27	49.15	40.99	903,921	497,601	
V	PF	1.79		1.78	55.29	51.77	584,820	582,792	
V	BAY01CE	0.54	12.50	0.5	63.31	59.25	581,481	292,079	
V	ASP	4.72	3.96	4.54	71.17	59.72	504,009	318,735	

After finishing customizing the screening criteria, click Run Screen and a list of stocks that meet your criteria will appear in the Screen Results windows. Click a column header to sort the stocks in ascending or ascending order by that property. The selected column will be marked with an up or down arrow (\checkmark).

lcon	Description
🥏 Refresh	Click to refresh the Screen Results window.
+ Create a new Quote List	To create a quote list, check the boxes in front of stocks you want to include in the list and click this button.
Сору	To copy stock quotes to other applications like Microsoft Excel or Notepad, check the boxes in front of stocks you want and then click Copy.
~	Click to expand the Screen Results window.
~	Click to shrink the screen Results window.
\checkmark	Check the boxes in front of stocks that you want to include in the quote list
	or copy the quotes to other applications.

Part 7: Status Bar

When data is being downloaded, the message Loading Data and a progress bar will appear on the lower left corner of the window. Once the download is completed, the progress bar will disappear and the date and time of the date will show up as seen below.

no Data

Data as of: 25-Jun-13 13:00

Alarm

The Alarm enables you to monitor an almost unlimited number of symbols for conditions you define. Once you have defined alarm conditions, the program alerts you when the defined conditions are met.

Adding an Alarm

There are 2 ways to add an alarm as follows:

Method 1: Add an alarm from Quote window

- 1. Click on the symbol that you want to add an alarm.
- 2. Click ▼ icon and select **Add Alarm** from the menu.

🚃 Quote1								- 5	ı x
# 🌣 🗙	1 1 1	2 2₽ -	BA	a 🔍					
SYMB	%BUY/%SELL	BID	ASK	TRADE	CHANGE	%CHG	VOLUME	VALUE(K)	
JAS 🔽		8.00	8.05	8.05	0.25	3.21	347650	279222	
TRUE		8.05	8.10	8.05	0.25	3.21	205645	165573	
AOT	🔆 Clear	193.50	1 94. 00	194.00	5.00	2.65	4931	95048	
ADVAN	Click hore	247.00	248.00	247.00	1.00	0.41	3497	86176	
BBL	Clickhere	201.00	202.00	202.00	0.00	0.00	3637	73411	
TWS		26.75	27.00	27.00	1.50	5.88	26591	73713	
SUPER		3.06	3.08	3.08			232206	70717	-

- 3. **Add Alarm** dialog is displayed.
- 4. Select **Price Variable** and **Math Operator** from the drop down menu.
- 5. Fill in target price in the box
- 6. Click

🧱 Quote1									- 5	×
🕂 🗱 🖁	1월 1월 🔛	i 💷 🚦	2 2₽ -	BA	AŤ 🔍	_				
SYMB	%BUY/%	SELL	BID	ASK	TRADE	CHANGE	%CHG	VOLUME	VALUE(K)	
JAS	76%	<mark>2</mark> 4%	8.00	8.05	8.00			348207	279670	1
TRUE	74%	2′%	8.05	8.10	8.10	0.30	3.85	208011	167481	
AC 🛕 Add A	Alarm: JAS	_			194.50		2.91	7253	140191	
					247.00	1.00	0.41	3665	90325	
BI	•) >=	*_8		2	202.00	0.00	0.00	3848	77673	
TWS	64%	36%	27.00	27.25	27.00	1.50	5.88	27111	75117	
SUPER	69%	31%	3.06	3.08	3.08	0.14	4.76	234372	71384	-

7. When the condition is met, **Alarm Notification** window will be displayed on the right corner of the screen.



8. If you want to view alarm log, click 🗏 Alarm Summary icon.



Method 2: Add an alarm from Alarm Setting dialog.

- 1. Click 🥌 Alarms icon from the main toolbar.
- 2. Click **Set/Modify Alarms** from the drop down menu.



3. Alarm Setting dialog is displayed.



lcon	Function
+	Add condition. Add a new alarm condition.
	Delete condition. Delete the selected condition.
2	Edit condition. Edit the selected condition.
亩	Delete all conditions. Delete all conditions at once.

- 4. Click 🔁 icon. Alarm condition setting panel will be shown in the lower panel.
- 5. Fill in the alarm condition in the lower panel.

🐥 Alarm Setting
🛨 🗖 💋 🗊 🕜
Alarm Conditions
OJUTHA.TRADE >= 5.2 □
IQXGL.TRADE >= 1315
♦ TWS.TRADE < 5.7
Condition: JAS>=8
Frequency: 📀 Continuous 🔹
Notifications: 🖌 Show Notification
Note: Trend reversal
OK Cancel

Option	Description					
Condition	Specifies the condition about which you want to be alerted in the below syntax. Symbol>Target Price e.g. JAS>8 Symbol>=Target Price Symbol==Target Price Symbol<=Target Price Configure the trigger frequency.					
	Option	Description				
	Continuous	Configures the alarm to trigger continuously.				
	Daily	Configures the alarm to trigger once a day.				
	Once Configures the alarm to trigger once.					
	Once and auto-delete	Configures the alarm to trigger once and delete the trigger condition automatically.				
	Disable The alarm is not active; Aspen for Browser will not be monitoring the Trigger Condition.					
Notification	Show/hide the alarm notification window.					
≪ €	Enable sound alert. Toggle.					
4b	Disable sound alert. Toggle.					
Note	Optional. Configures a message that will be displayed in the notification window when the alarm is activated					

6. Click **OK**.

Deleting an Alarm Condition

1. Click the condition you want to delete from the **Alarm Setting** dialog.

🐥 🗱 Alarm Setting	×
	🛨 🗖 💋 🛅 🕜
Alarm Conditions	
BJC.TRADE >= 53	🗔 🧄
JUTHA.TRADE >= 5	💷 🐠 (
IQXGL.TRADE >= 1315	🗔 🐠
TWS.TRADE < 5.7	💷 🚯

- 2. Click Delete Condition.
- 3. Delete Alarm Condition dialog is displayed. Click OK to proceed.



4. The selected condition will be deleted.



Editing an Alarm Condition

1. Click the condition you want to edit from the **Alarm Setting** dialog.

🐥 🚓 Alarm Setting	\times
	🛨 🗖 💋 🛅 🕜
Alarm Conditions	
OUTHA.TRADE >= 5	🗔 🐠
IQXGL.TRADE >= 1315	💷 🤬
TWS.TRADE < 5.7	📼 🧄
L	

- 2. Click the **Edit Condition**.
- 3. Alarm condition details will be displayed in the lower panel.
- 4. Make the changes as you wish and then click Save.

🐥 Alarm Setting 🛛 🛛 🔀
🛨 💳 💋 🖻 🕜
Alarm Conditions
OJUTHA.TRADE >= 5 □
IQXGL.TRADE >= 1315
🚱 TWS.TRADE < 5.7 🔲 🧄
Condition: JUTHA.TRADE >= 5.2
Frequency: Continuous
Notifications: 🖌 Show Notification
Note: BUY
Save

%Chg

Volum

Symbol Linking

The Symbol Linking feature allows you to link two or more windows. Once the symbol link has been activated, a symbol change in one window will be automatically reflected in all windows that have been linked.

Defining a Group

- 1. Click on 🔁 the **Symbol Linking** icon in the main toolbar.
- 2. Select a group color. There are four colors available.



3. Then click on the title bar of every control you want in the group.



4. Now all controls will be symbol linked.

🕷 Aspen for Browser (beta) - Favorite 🖉 🗊 🖷										
💕 🛃 🛃	₩.	PT 🧱 🔽	👪 🔗 🔤	🅦 🖹 ТІСК	F 💽 🖕	• 😗 •	₽ • (1		
🧱 Quote1							89 - 1	⊐ ×	🏧 Chart2 🔁 🗕 🗖 🗙	
🕂 🛪 🖁	1	i 🖴 💷 🏮	ŻŽ° - B	A 🐧 🔍						
SYMB	%BUY	//%SELL	TRADE	CHANGE	%CHG*	HIGH	LOW	1	JUTHA MARITIME PUBLIC CO. (JUTHA)	
TWS	60%	40%	25.50			25.50	20.40		6.00	
SUPER	64%	36%	2.94	0.52	21.49	3.00	2.46			
JUTHA 🔻	60%	40%	5.20			5.55	4.80		4.00	
BAY	1 <mark>2%</mark>	88%	38.50	0.25	0.65	38.50	38.25		No Gaps	
SPALI	34%	66%	18.00			18.20	17.20		Relative Strength Index A 80.00	
DTAC	52%	48%	112.00	0.00	0.00	113.00	108.50			
PTTGC	60%	40%	76.50			77.00	75.00		No Gaps	
тор	42%	58%	62.25			62.75	61.75		Volume Million	
INTUCH	57%	43%	81.75			81.75	81.00		0.50	
PTT	56%	44%	311.00	-4.00	-1.2/	313.00	310.00	Ŧ	No Gaps 0.00	
•									8-13 8-26 9-2 9-9 9-16 9-23 9-30 10-7 10-14 10-28 Day	
👫 Bid/Offer	1				🗙 📑 New	s1			🔁 – 🗆 ×	
11174/		Buy 60 1	1/10/6 2	0.860% Soll	🕂 Al		3 • 🛛	A	â a' 📴 🔄 🕕 🤜	
JOIII		Duy 00.1	1470 J	9.00% Sei					C%JUTHA (JUTHA)	
Trade	Side	Volum	e Chang	je %Cho	10.3		TO		*HILITE: JUTHA บวก 2 90% เอ็มพ้นธมิตรกับ SEAOIL หลังผับริหารเก็บหันก	
5.20	B	2966	1 +0.3	8 +7.8	3					
Volume		Bid	Offer	Volume	10-30	9 12:	52 SI	MS	JUIHA: JUIHA's new shares to be traded on 31 October 2013 (
5708		5.20	5.25	1672	10-3	9 12:	52 SI	MS	JUTHA: หุ้นเพิ่มทุนของ JUTHA เริ่มซื้อขายวันที่ 31 ตุลาคม 2556 (แก้ไขจำนว	
6015		5.15	5.30	280	10-30	9 12:	39 SI	MS	JUTHA: SEC News : สรปแบบ 246-2 ประจำวันที่ 29 ตลาคม 2556	
4860		5.10	5.35	832						
4588		5.05	5.40	2269	10-30	9 8:	II SI	MS	JUTHA: JUTHA'S new shares to be traded on 31 October 2013	
9457		5.00	5.45	1958						

Removing a Control from Group

- 1. Click on the **Symbol Linking** icon 📴 on the object title bar.
- 2. Click **Delete from Group**.

👫 Bid/Offer1				📔 – 🗆 ×
SUPER A	В	Delete	% Sell	
Trade Side		Delete	%Chg	
2.94↑ B		99500	+0.52	+21.49
Volume	Bio	t	Offer	Volume
8850	2.9	4	2.96	6891
500	2.9		2.98	3741
10301	2.9	0	3.00	10120
3244	2.8	8	3.02	220
1180	2.8	5	3.04	1922

3. Now symbol linking is removed from this window.

👫 Bid/Offer1 🛛 🗕 🗖 🗙									
SUPER	2	Buy	Buy 64.30% 35 <mark>.70% Sell</mark>						
Trade	Side	Vo	lume	Change	%Chg				
2.94↑	В	9	9500	+0.52	+21.49				
Volume		Bid		Offer	Volume				
8850		2.94		2.96	6891				
500		2.92		2.98	3741				
10301		2.90		3.00	10120				
3244		2.88		3.02	220				
1180		2.86		3.04	1922				

Deleting a Group

- 1. Click on the **Symbol Linking** icon 📴 on the object title bar.
- 2. Click **Delete Group**.

🚼 Bid/Offer1				🧧 – 🗆 ×	
SUPER	В	Delete	% Sell		
Trade Side		Delete	%Chg		
2.94↑ B	_	99500	+0.52	+21.49	
Volume	Bi	d	Offer	Volume	
8850	2.9	4	2.96	6891	
500	2.9	2	2.98	3741	
10301	2.9	0	3.00	10120	
3244	2.8	8	3.02	220	
1180	2.8	6	3.04	1922	

3. Now symbol linking is removed from every window.

Creating a Custom Template

This page building exercise will show you step-by-step how to create the page drawn below, which contains two Charts, a Quote window, a Bid/Offer window and a News window.

🦛 Aspe	🐡 Aspen for Browser (beta) - My Page 🛛 👘 👔) 🕕 😐	
📂 🔒 😽	₩ •	Q	si 😰 🔤 🔢	ПСК	Fr 🧟 💪	• 😗• 🗄	3- 💼 🕏						
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- 1. Get a blank screen by click 🔤 Windows icon on the main toolbar and select Close all windows from the drop down menu.
- 2. Click a Chart icon two times to get two chart windows.
- 3. Click **Quote** icon to get a quote window.
- 4. Click **Bid/Offer** icon to get a bid/offer window.
- 5. Click **News** icon to get a news window.

6. All windows will be displayed on the screen.

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- 7. Re-arrange all windows to fit your desire layout by left-clicking and dragging their title bars.
- 8. Resize all windows to fit your desire layout.

To resize a window (make it smaller or bigger), point to any of the window's borders or corners. When the mouse pointer changes to a two-headed arrow, drag the border or corner to shrink or enlarge the window.



- 9. Grouping all windows in a group. See **<u>Symbol Linking</u>** for more details.
- 10. Click 🥪 Save As icon. Save As dialog is displayed.
- 11. Type in your page name in the 'File name:' box.

Save As	23								
Pages	- 🔰 🞽								
<pre> Pct_change.agpx </pre>									
QuoteList-Test.agpx									
S2M.agpx	S2M.agpx								
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test3.agpx									
Warrants.agpx									
World Indices.agpx									
File name: My Page	Save								
Files of type: Aspen Graphics Pages (*.agpx) 🔻	Cancel								

12. Click Save.

Save as Startup Template

To save any template as your startup template, follow these steps:

- 1. Open the template that you want to save as startup.
- 2. Click 🥪 Save As icon. Save As dialog is displayed.
- 3. Type '**page1**' in the '**File name:**' box.

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QuoteList-	Test.agpx								
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File name:	page1	Save							
Files of type:	Aspen Graphics Pages (*.agpx) 💌	Cancel							

4. Click Save.

Pre-defined Templates

You can also use any of the pre-defined templates which already made available for you.

To view Pre-defined Templates, follow these steps:

- 1. Click 👾 View icon on the main toolbar.
- 2. Click **Page Explorer** from the drop down menu.
- 3. A sided panel will appear on the left hand side.



- Double click at Pages under Global.
 All pre-defined templates are stored under Global.
- 5. Double click to open the selected template.

Note: Page templates are provided in the 'Global' folder is read-only.

User-defined Templates

To view User-defined Templates, follow these steps:

- 1. Click 🍄 🕶 View icon on the main toolbar.
- 2. Click **Page Explorer** from the drop down menu.
- 3. A sided panel will appear on the left hand side.

Aspen for Browser (beta) - Favorite										
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4. Double click at **Pages** under **User**.

All user-defined templates are stored under **Global** folder.

5. Double click to open the selected template.