



Brainy's Articles on BullCharts

Market views, maps, scans

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Introduction

The BullCharts charting software is probably well known for its ability to easily produce and analyse price charts for Australian stocks and indexes. But there is a lot of additional information that is also available. The additional information includes security-specific details, as well as various tools and reports for the whole of the market.

An introduction to the list of features in BullCharts is included in Brainy's Article BC-02-100, "BullCharts — Product Overview". This Article BC-02-120, "BullCharts — Market views, maps, scans", briefly describes the additional whole-of-market tools and reports that are included in the product.

Market views, maps, scans

The BullCharts software includes a number of market-related tools and reports. These are available under the menu option: *Actions > Market View*. They are listed below with brief descriptions and sample screen shots. Unless indicated otherwise, all of these tools and reports are available with the basic End-of-Day data plan. Note that some of these rely on data to be pulled down over the internet from the BullCharts servers (in Sydney), so there can be momentary delays as with any web-based application.

- Market Scan report** — A tool to scan the market and list instruments that meet certain criteria and then display latest performance data. The available instruments to search include: basic stocks, equities, options or warrants. There is a "where" drop-down box with a long list of selection criteria to choose from, and drop-downs for selecting a date range and other options. There is also an option to readily sort the list. The on-screen results display: Last price, Volume, Trades, whether up or down, and percent change.
- Indices report** — A summary list showing the performance of the indices — their movement since market open, and their most recent value. You can also drill through to reveal the composition of each Index.

Symbol	Company Name	Last	Volume	Trades	% Chg. (Close)	+/- Chg. (Close)	
EMM	ELECTROMET FPO	0.020	400,000	2	↑ 53.85%	↑ 0.007	chart watchlist(+) i-chart
BML	BOTSWANA FPO	0.075	767,324	24	↑ 44.23%	↑ 0.023	chart watchlist(+) i-chart
MHL	MONITOR FPO	0.004	1,250,000	6	↑ 33.33%	↑ 0.001	chart watchlist(+) i-chart
MDA	MODENARES FPO	0.033	470,000	10	↑ 32.00%	↑ 0.008	chart watchlist(+) i-chart
CYU	CY COPPER FPO	0.145	14,896	3	↑ 31.82%	↑ 0.035	chart watchlist(+) i-chart

Symbol	Name	Movement	Last	Composition
XPJ	A-REIT	↑ 1.38%	876.5	- stocks
XAT	ALL AUSTRALIAN 200	↑ 0.65%	4570.2	200 stocks
XAF	ALL AUSTRALIAN 50	↑ 0.61%	4579.6	50 stocks
XAO	ALL ORDINARIES	↑ 0.70%	4586.5	498 stocks
XDJ	CONS DISCRETIONARY	↑ 1.23%	1535.2	- stocks
XSJ	CONSUMER STAPLES	↓ 0.31%	7528.5	- stocks
XEJ	ENERGY	↑ 0.58%	14856.7	- stocks
XXJ	FINANCIAL-X-A-REIT	↑ 0.35%	5181.6	- stocks
XFJ	FINANCIALS	↑ 0.51%	4476.7	- stocks
XGD	GOLD	↓ 0.18%	6185.3	37 stocks
XHJ	HEALTH CARE	↓ 0.90%	8211.4	- stocks
XNJ	INDUSTRIALS	↑ 1.03%	3476.9	- stocks
XIJ	INFO TECHNOLOGY	↑ 1.73%	624.4	- stocks
XMJ	MATERIALS	↑ 1.38%	12288.0	- stocks
XMM	METALS AND MINING	↑ 1.52%	4385.5	64 stocks
XTO	S&P/ASX 100	↑ 0.63%	3741.3	100 stocks
XTL	S&P/ASX 20	↑ 0.64%	2789.1	20 stocks
XJO	S&P/ASX 200	↑ 0.66%	4571.6	200 stocks
XKO	S&P/ASX 300	↑ 0.68%	4563.4	300 stocks
XFL	S&P/ASX 50	↑ 0.61%	4593.0	50 stocks
XMD	S&P/ASX MIDCAP 50	↑ 0.78%	4080.9	50 stocks
XSO	S&P/ASX SMALL ORDS	↑ 1.19%	2437.5	200 stocks
XTJ	TELECOMMUNICATIONS	↑ 0.08%	1108.1	- stocks
XUJ	UTILITIES	↑ 0.04%	4229.7	- stocks



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- **52 Week High/Low report** (sample at right) — A summary list of stocks making New 52-week Lows and new 52-week Highs during today and the previous four trading days.

New 52 week Lows				
Symbol	Company	New Low	Old Low	Last Price
ACK	AUSTOCK FPO	0.135	0.140	0.135
AFV	AURORAFUND FPO	1.560	1.750	1.560
BOD	BIOMD LTD FPO	0.020	0.022	0.020
DOM	DOMINION FPO	2.120	2.130	2.130
EHR	EARTH HEAT CDI	0.024	0.032	0.030
EQT	EQUITY.TR. FPO	14.650	14.670	14.740
GFF	GOODMAN FPO	1.275	1.300	1.290
GIA	GIACONDA FPO	0.027	0.029	0.030
HEG	HILL END FPO	0.085	0.087	0.085
KRB	KRUCIBLE FPO	0.235	0.240	0.250
MOY	MILLENNIUM FPO	0.022	0.023	0.023
NLB	NULLARBOR FPO	0.260	0.270	0.260
SHH	SHREE MIN FPO	0.092	0.095	0.092

New 52 week Highs				
Symbol	Company	New High	Old High	Last Price
ABC	ADEL BRTN FPO	3.350	3.200	3.150
AEC	AMMTEC FPO	3.700	3.610	3.680
AFIN	AUS.FOUND. NEW	4.800	4.750	4.800
ANZPA	ANZ BANK PREF	104.500	104.450	104.199
AUC	AUSGOLD FPO	0.285	0.270	0.275

- **Pre-Open Alert report** (sample below) — A summary list of the stocks whose Indicative Price is most above their previous closing price — shows the indicative price, and surplus volume amount. This is useful before the market opens, as it indicates stocks whose prices are likely to increase dramatically when the market opens.

Symbol	Company	Movement (Indicative - Last)	Indicative	Last	Surplus Volume
NST	NTH STAR FPO	3.45% ↑ 0.002	0.060	0.058	-331,107
PTN	PRIMETRUST UNITS	2.08% ↑ 0.001	0.049	0.048	186,880
LNC	LINC ENRGY FPO	1.08% ↑ 0.020	1.880	1.860	-8,169
GGE	GRAND GULF FPO	0.00% 0.000	0.020	0.020	-137,000
PYC	PHYLOGICA FPO	0.00% 0.000	0.084	0.084	-54,832
SSN	SAMSON FPO	0.00% 0.000	0.075	0.075	188,250

- **Market Summary report** — Shows information on market activity during the current trading day. It is organised into four different sections, including a market overview, as well as volume, value and trades information.

Market Overview			
Market	Volume	Value	Trades
Stocks	2,253,480,959	5,009,262,002	499,431
Options	54,270,790	62,332,747	6,980
Warrants	4,545,518	12,103,495	566
All	2,312,297,267	5,083,698,244	506,977

Volume			
Issuer Type	Advances	Declines	Total
Industrial	602,624,991	238,975,158	1,023,835,586
Mining	684,393,869	248,729,641	1,288,461,681
All	1,287,018,860	487,704,799	2,312,297,267

Value			
Issuer Type	Advances	Declines	Total
Industrial	1,916,092,318	979,431,507	3,164,517,744
Mining	1,655,341,702	238,545,594	1,919,180,500
All	3,571,434,020	1,217,977,100	5,083,698,244

Trades			
Issuer Type	Advances	Declines	Total
Industrial	224,438	119,563	368,973
Mining	95,742	34,693	138,004
All	320,180	154,256	506,977

Number of Securities			
Issuer Type	Advances	Declines	Total
Industrial	914	2,224	17,766
Mining	535	929	5,511
Other	1	0	2
All	1,450	3,153	23,279



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- **Market History report** — The Market History report shows historical daily market activity information. This includes the number of advances, declines and unchanged securities, as well as total volume, value and trades data.

Date	Advances	Declines	Unchanged	Total Volume	Total Value	Total Trades
3/8/2010	643	432	3,270	2,248,651,540	5,009,256,789	499,429
3/8/2010	643	433	983	2,248,651,540	5,013,757,884	499,429
2/8/2010	680	378	3,286	1,494,456,083	3,310,411,993	379,335
30/7/2010	484	531	3,329	1,961,210,656	6,796,574,065	517,055
29/7/2010	484	511	3,348	1,892,945,683	4,989,358,690	440,011
28/7/2010	573	454	3,316	2,058,817,604	5,737,766,036	500,258
27/7/2010	529	514	3,299	2,119,431,566	5,785,603,375	482,962
26/7/2010	621	402	3,319	1,987,056,355	4,785,577,923	515,605
23/7/2010	758	307	3,276	2,162,182,454	5,189,790,100	590,545
22/7/2010	403	592	3,341	1,900,150,469	4,172,390,130	458,197
21/7/2010	552	455	3,329	2,216,789,546	4,531,215,441	437,944
20/7/2010	612	410	3,315	1,724,559,528	4,952,946,331	506,030
19/7/2010	274	747	3,316	1,554,028,864	3,202,635,934	383,220
16/7/2010	479	515	3,342	1,745,151,929	3,283,720,804	450,004

- **Advances/Declines report** — The Advances/Declines report lists the number of securities that have advanced in price, declined in price, or were unchanged during a particular period. The figures are broken down into three security types: stocks, options and warrants.

Exchange	GICS Sector / Industry	Period				
ASX	[Whole Market]	Latest	View			
Stocks Advances & Declines						
Stocks	Number	Trades	Cum Volume	Cum \$ Sales		
Advances	645	316,573	1,257,038,510	3,541,344,748		
Declines	434	150,669	471,189,892	1,177,138,951		
Unchanged	1,015	32,189	525,252,557	290,778,303		
Total	2,094	499,431	2,253,480,959	5,009,262,002		
Options Advances & Declines						
Options	Number	Trades	Cum Volume	Cum \$ Sales		
Advances	647	3,110	30,242	19,982,277		
Declines	2,613	3,162	40,010	37,494,035		
Unchanged	15,649	255	4,820	3,262,690		
Total	18,909	6,527	75,072	60,739,003		
Warrants Advances & Declines						
Warrants	Number	Trades	Cum Volume	Cum \$ Sales		
Advances	134	299	2,409,929	9,221,468		
Declines	76	249	1,967,725	2,836,213		
Unchanged	1,722	18	167,864	45,815		
Total	1,932	566	4,545,518	12,103,495		



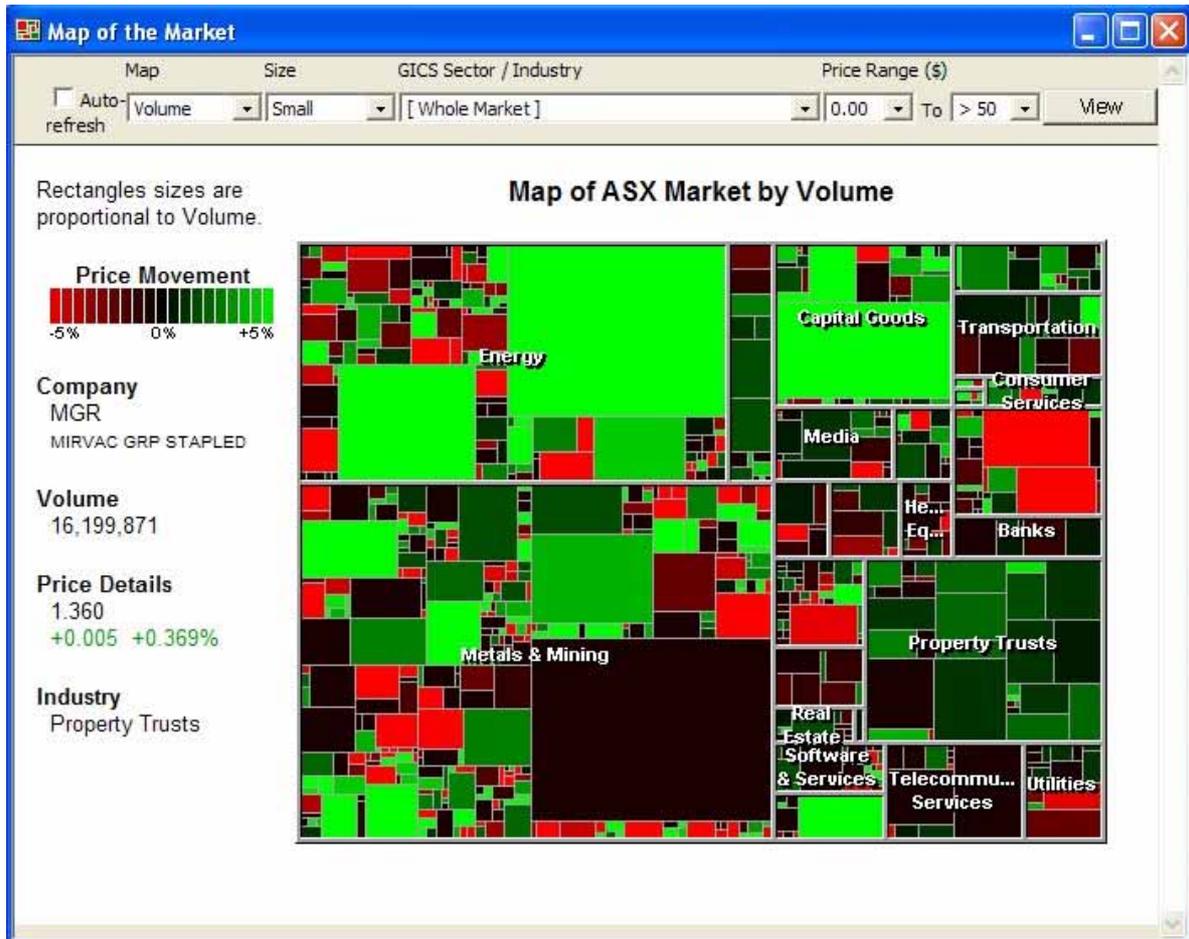
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- **Market Map** — The Market Map is a graphical tool that indicates price movement as well as one other piece of data from volume, sales, trades or market capitalisation over the entire market. The Market Map is comprised of rectangular cells of various sizes, each representing an individual company or industry sector.





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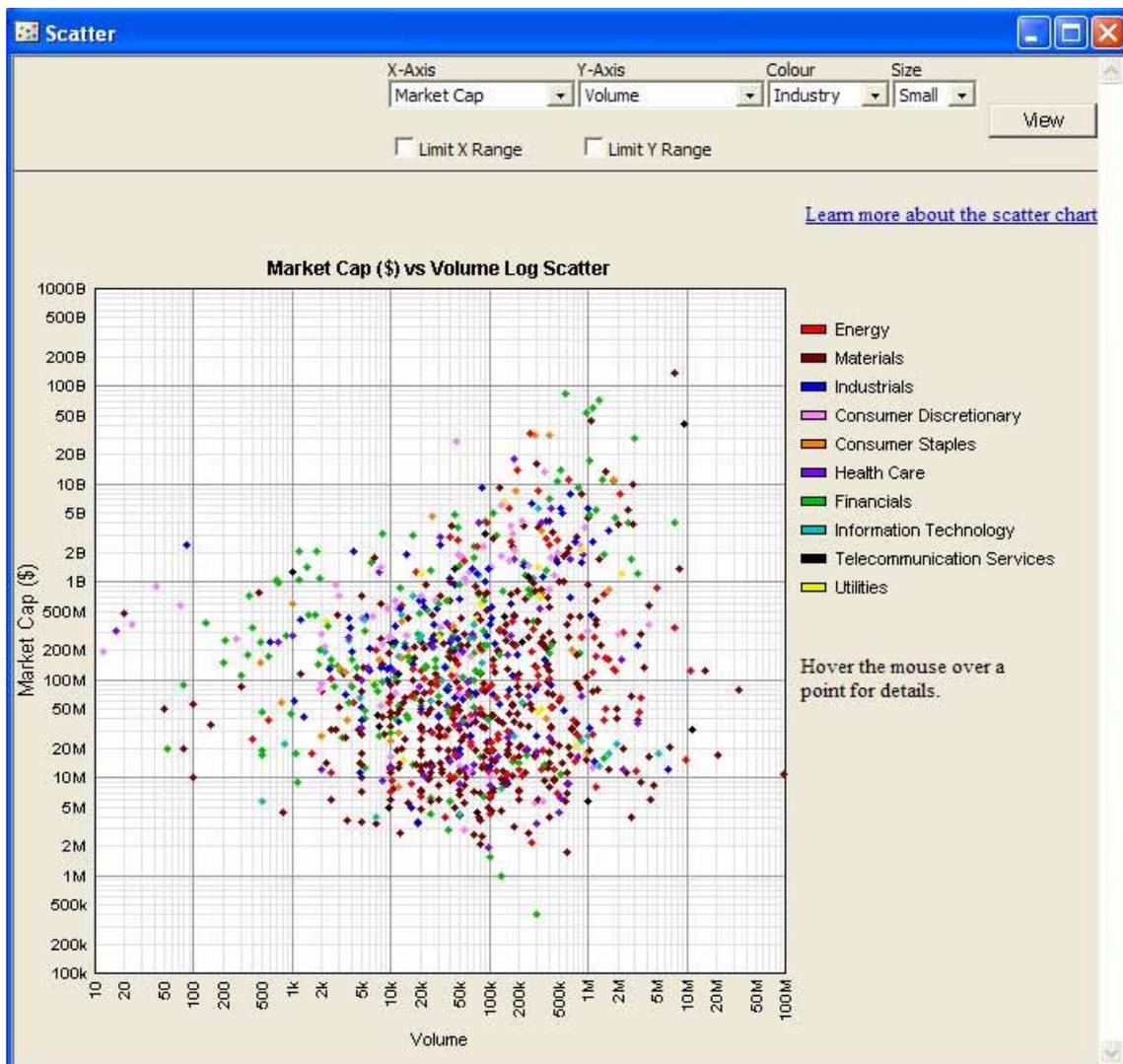
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- **Market Scatter** — The Market Scatter is a graphical tool that plots all of the securities in the market based on two security-specific parameters that you specify.

You can select any two values using the “X-Axis” and the “Y-Axis” drop-down boxes — such as Last Price, and a fundamental parameter like PE Ratio. In the sample below, Market Cap is shown across the horizontal X-axis, and Volume is shown up the vertical Y-axis.

Each security appears as a coloured point on the chart, with its location depending on the two values. For some values a log scale will automatically be used. Security information can be seen by hovering the mouse over a point, or clicking on it. The colour of points can also be used to represent information such as industry group or price movement. You can use the Market Scatter tool to visually search for companies with strong fundamentals, or to compare the relationships between different values.

There is a link on the chart (to the right) to “Learn more about the scatter chart”.





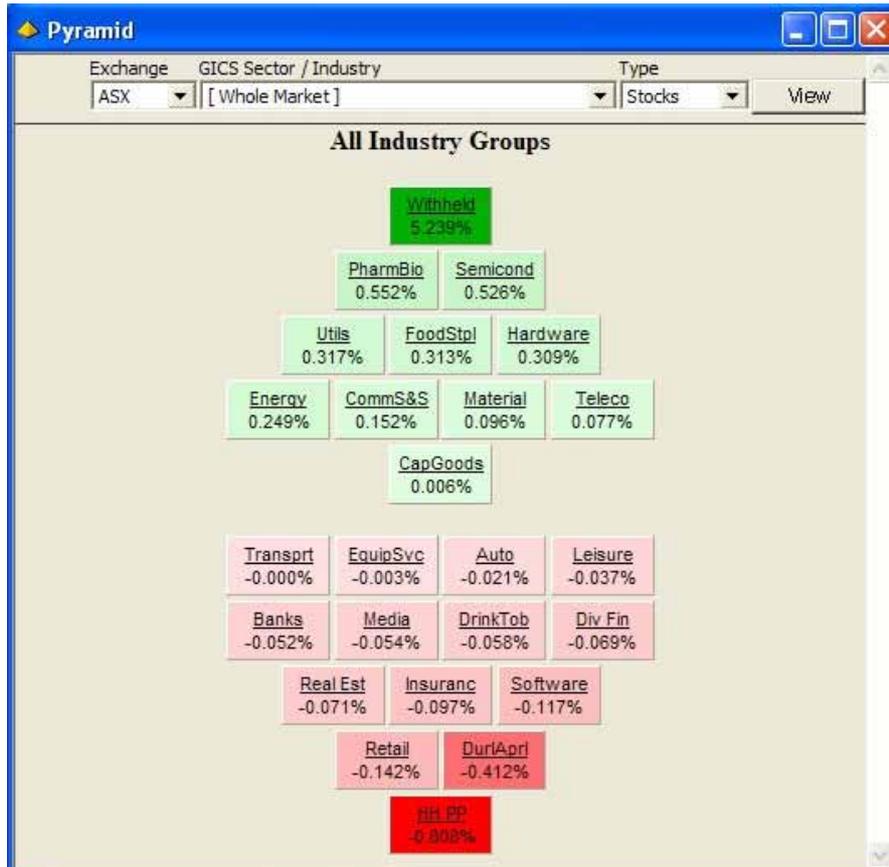
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- Market Pyramid** — The Market Pyramid is a graphical tool made up of cells that represent industry sub groups. The cells are colour coded either green or red, and compiled into a pyramid that indicates the industry sub groups that have experienced the greatest price movement today. The sub-groups at the top and bottom of the pyramid are represented in the darkest colours and have experienced the greatest price movement. The ones in the centre are represented in lighter colours, and have experienced smaller price movements.



- GICS Sectors report** — This report lists the best performing securities for a specific industry group. It is useful in either gaining a list of the companies within a sector, or for determining the largest movers within a sector during the current or previous trading days.

GICS Sectors

GICS Sector / Industry: Energy | Sort By: % Movement | Show: Top | Period: Latest | View

Symbol	Company	Last	Movement	High	Low	Volume	Cum. \$Sales	Trades
DSN	DESERT ENG FPO	0.110	↑ 0.020 ↑ 22.22%	0.110	0.100	154,000	16,340	5
NTU	NORTH URAN FPO	0.105	↑ 0.014 ↑ 15.38%	0.105	0.095	210,568	20,333	17
CES	COAL FE FPO	0.045	↑ 0.005 ↑ 12.50%	0.045	0.045	20,000	900	1
MAE	MARION EN FPO	0.022	↑ 0.002 ↑ 10.00%	0.022	0.022	10,188	224	1
OEX	OILEX LTD FPO	0.125	↑ 0.010 ↑ 8.70%	0.125	0.120	765,328	95,249	20
EGO	EMPIRE OIL FPO	0.014	↑ 0.001 ↑ 7.69%	0.014	0.013	1,401,009	19,504	10
AZZ	ANTARES FPO	0.570	↑ 0.040 ↑ 7.55%	0.575	0.535	1,112,816	622,457	71
FIS	FISSION EN FPO	0.090	↑ 0.005 ↑ 5.88%	0.090	0.090	2,500	225	1
ATQ	ATOMIC RES FPO	0.280	↑ 0.015 ↑ 5.66%	0.280	0.265	343,258	93,213	13



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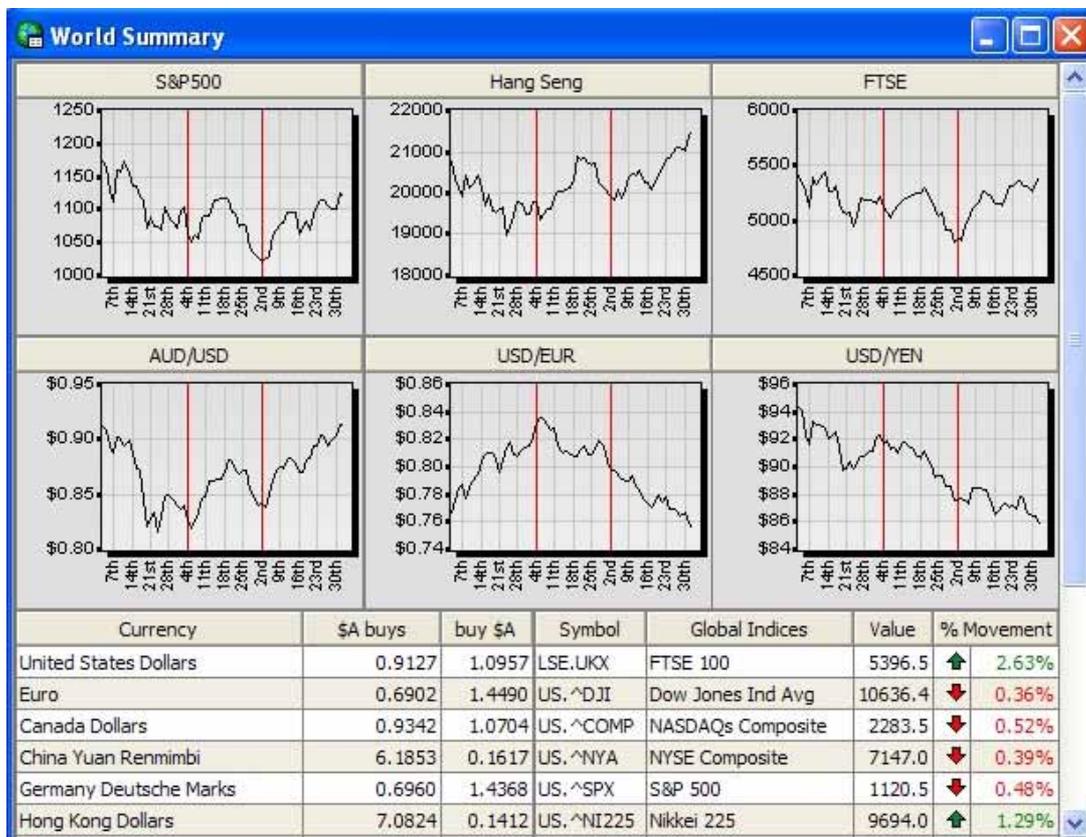
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- **Sector Performance report** — The Sector Performance report is for top-down analysis by listing the best sectors in the market. It is possible to drill down and display the best stocks in each sector (click on the desired Sector name).

Sector	Weight *	* Volume	Sales	Trades	Market Cap	Count
Materials	57%	1,059,815,687	\$1,370,604,538	107,926	\$389,153,220,555	5,895
Energy	14%	267,094,617	\$340,767,130	50,953	\$133,943,121,305	2,040
Financials	10%	192,590,437	\$1,068,189,114	94,804	\$557,387,876,919	7,517
Industrials	6%	103,133,109	\$167,683,480	38,081	\$101,984,779,683	2,347
Consumer Discretionary	3%	53,355,026	\$149,498,786	42,710	\$108,451,318,625	1,678
Health Care	3%	52,826,858	\$104,786,930	23,496	\$53,619,336,915	623
Telecommunication Services	3%	51,804,696	\$113,709,224	6,514	\$49,916,663,510	371
Information Technology	2%	39,407,690	\$23,687,316	6,919	\$14,251,104,524	297
Consumer Staples	2%	28,228,993	\$150,054,584	24,273	\$105,668,313,423	1,494
Utilities	1%	20,187,333	\$25,860,486	9,070	\$21,223,279,260	218

- **World Summary report** — The World Summary report summarises international indices and currency exchange rates. Major instruments are presented in charts to give a quick visual indication of recent movement. (This display can take a few moments to display.)





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- **World Indices report** — The World Indices report lists the closing values and movements of the major world indices in a tabular format.

Symbol	Index	Value	% Movement
LSE.UKX	FTSE 100	5396.5	138.460 ↑ 2.63%
US.^DJI	Dow Jones Ind Avg	10636.4	38.000 ↓ 0.36%
US.^COMP	NASDAQs Composite	2283.5	11.840 ↓ 0.52%
US.^NYA	NYSE Composite	7147.0	27.910 ↓ 0.39%
US.^SPX	S&P 500	1120.5	5.400 ↓ 0.48%
US.^NI225	Nikkei 225	9694.0	123.700 ↑ 1.29%
US.^HSI	Hang Seng	21457.7	44.871 ↑ 0.21%
US.^DAX	German DAX	6307.9	15.780 ↑ 0.25%
US.^CAC40	French CAC 40	3747.5	4.520 ↓ 0.12%
US.^STI	Singapore Straits Times	3014.8	10.270 ↓ 0.34%
US.^RUT	Russell 2000	655.7	6.200 ↓ 0.94%

- **Exchange Rates report** — The Exchange Rates report shows the end-of-day exchange rates and rate movements for the most common currency pairs.

Symbol	Currency #1	Currency #2	Exchange Rate	Movement
\$.AUDCAD	Australia Dollars	Canada Dollars	0.9342	0.0002 ↑ 0.02%
\$.AUDCHF	Australia Dollars	Switzerland Francs	0.9473	0.0009 ↓ 0.09%
\$.AUDCNY	Australia Dollars	China Yuan Renmimbi	6.1853	0.0042 ↓ 0.07%
\$.AUDEUR	Australia Dollars	Euro	0.6902	0.0029 ↓ 0.41%
\$.AUDGBP	Australia Dollars	United Kingdom Pounds	0.5728	0.0018 ↓ 0.32%
\$.AUDHKD	Australia Dollars	Hong Kong Dollars	7.0824	0.0062 ↓ 0.09%
\$.AUDIDR	Australia Dollars	Indonesia Rupiah	8,174.5050	40.5408 ↓ 0.49%
\$.AUDJPY	Australia Dollars	Japan Yen	78.2422	0.6931 ↓ 0.88%
\$.AUDMYR	Australia Dollars	Malaysia Ringgit	2.8889	0.0203 ↓ 0.70%
\$.AUDNZD	Australia Dollars	New Zealand Dollars	1.2471	0.0111 ↓ 0.88%
\$.AUDPHP	Australia Dollars	Philippines Pesos	41.5359	0.3408 ↓ 0.81%
\$.AUDSGD	Australia Dollars	Singapore Dollars	1.2356	0.0079 ↓ 0.63%
\$.AUDTHB	Australia Dollars	Thailand Baht	29.5230	0.3762 ↓ 1.26%
\$.AUDTWD	Australia Dollars	Taiwan Dollars	29.0632	0.1355 ↓ 0.46%
\$.AUDUSD	Australia Dollars	United States Dollars	0.9127	0.0004 ↓ 0.05%
\$.AUDZAR	Australia Dollars	South Africa Rand	6.6486	0.0119 ↑ 0.18%
\$.USDAUD	United States Dollars	Australia Dollars	1.0957	0.0005 ↑ 0.05%
\$.USDCAD	United States Dollars	Canada Dollars	1.0236	0.0007 ↑ 0.07%
\$.USDCHF	United States Dollars	Switzerland Francs	1.0380	0.0005 ↓ 0.05%
\$.USDCNY	United States Dollars	China Yuan Renmimbi	6.7772	0.0015 ↓ 0.02%
\$.USDEUR	United States Dollars	Euro	0.7562	0.0028 ↓ 0.37%
\$.USDGBP	United States Dollars	United Kingdom Pounds	0.6276	0.0017 ↓ 0.27%
\$.USDHKD	United States Dollars	Hong Kong Dollars	7.7602	0.0033 ↓ 0.04%
\$.USDIDR	United States Dollars	Indonesia Rupiah	8,956.8060	40.3130 ↓ 0.45%



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- **Cross rates report** — The Cross Rates report shows the end-of-day international cross rates for a wide range of currencies, rather than just the exchange rate in US dollars.

	AUD	USD	CAD	CHF	CNY	EUR	GBP	HKD	IDR	JPY	MYR	NZD	PHP	SGD	THB	TWD	ZAR
Australia Dollars	-	0.913	0.934	0.947	6.185	0.690	0.573	7.082	8,174.5	78.242	2.889	1.247	41.536	1.236	29.523	29.063	6.649
United States Dollars	1.096	-	1.024	1.038	6.777	0.756	0.628	7.760	8,956.8	85.730	3.165	1.366	45.511	1.354	32.348	31.845	7.285
Canada Dollars	1.070	0.977	-	1.014	6.621	0.739	0.613	7.581	8,750.3	83.753	3.092	1.335	44.462	1.323	31.602	31.110	7.117
Switzerland Francs	1.056	0.963	0.986	-	6.529	0.729	0.605	7.476	8,628.9	82.592	3.050	1.316	43.845	1.304	31.164	30.679	7.018
China Yuan Renmimbi	0.162	0.148	0.151	0.153	-	0.112	0.093	1.145	1,321.6	12.650	0.467	0.202	6.715	0.200	4.773	4.699	1.075
Euro	1.449	1.322	1.354	1.373	8.962	-	0.830	10.262	11,844.5	113.370	4.186	1.807	60.184	1.790	42.777	42.111	9.634
United Kingdom Pounds	1.746	1.593	1.631	1.654	10.799	1.205	-	12.365	14,271.5	136.600	5.044	2.177	72.516	2.157	51.543	50.740	11.608
Hong Kong Dollars	0.141	0.129	0.132	0.134	0.873	0.097	0.081	-	1,154.2	11.047	0.408	0.176	5.865	0.174	4.168	4.104	0.939
Indonesia Rupiah	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.001	-	0.010	0.000	0.000	0.005	0.000	0.004	0.004	0.001
Japan Yen	0.013	0.012	0.012	0.012	0.079	0.009	0.007	0.091	104.5	-	0.037	0.016	0.531	0.016	0.377	0.371	0.085
Malaysia Ringgit	0.346	0.316	0.323	0.328	2.141	0.239	0.198	2.452	2,829.6	27.083	-	0.432	14.378	0.428	10.219	10.060	2.301
New Zealand Dollars	0.802	0.732	0.749	0.760	4.960	0.553	0.459	5.679	6,555.0	62.742	2.317	-	33.307	0.991	23.674	23.305	5.331
Philippines Pesos	0.024	0.022	0.022	0.023	0.149	0.017	0.014	0.171	196.8	1.884	0.070	0.030	-	0.030	0.711	0.700	0.160
Singapore Dollars	0.809	0.739	0.756	0.767	5.006	0.559	0.464	5.732	6,615.6	63.321	2.338	1.009	33.615	-	23.893	23.521	5.381
Thailand Baht	0.034	0.031	0.032	0.032	0.210	0.023	0.019	0.240	276.9	2.650	0.098	0.042	1.407	0.042	-	0.984	0.225
Taiwan Dollars	0.034	0.031	0.032	0.033	0.213	0.024	0.020	0.244	281.3	2.692	0.099	0.043	1.429	0.043	1.016	-	0.229
South Africa Rand	0.150	0.137	0.141	0.142	0.930	0.104	0.086	1.065	1,229.5	11.768	0.435	0.188	6.247	0.186	4.440	4.371	-

Acknowledgement

Much of the explanatory text above has been taken from the BullCharts online help, and will match material from the User Manual.

Summary

This Article in Brainy's series on BullCharts (number BC-02-120) provides an overview of some of the additional data and features that are included in the product that make BullCharts more than just a charting package.



For more information on Share Trading, or Technical Analysis, or BullCharts software, look for more of Brainy's articles, or the other resources, in **Brainy's Share Market Toolbox**: www.robertbrain.com