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RadarScreen

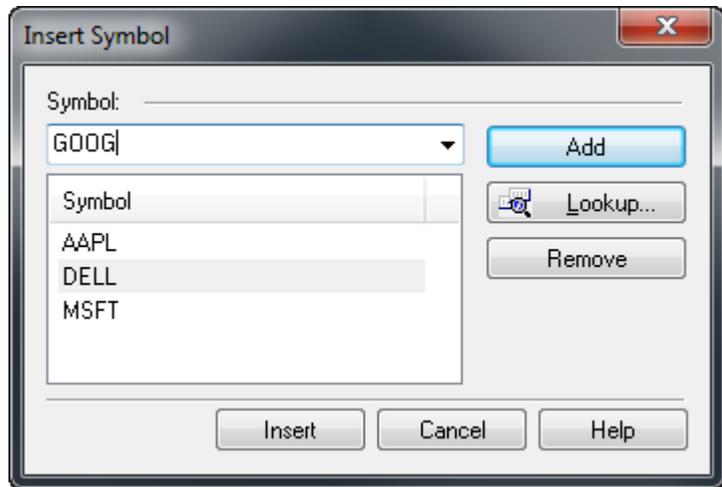
RadarScreen offers far more than the basic Quotes window provided in TradeStation. It allows the user to track not only price data, but also built-in or custom analysis techniques that calculate using historical data. You may insert hundreds of symbols in a page and monitor indicators, ShowMes and PaintBars in real time. Each row in RadarScreen is a virtual chart that can be set to any bar interval and can load as many historical bars as needed to calculate the indicators. Each column – or, in some cases, a group of columns – is an analysis technique displaying price data or calculated analysis techniques' values.

	Symbol	Interval	Last	Net Chg	Net %Chg	Momentum	Volume Avg		Rate of Chg
						Momentum	Vol	VolAvg	ROC
1	Dow Jones Industrial Avg (31)								
2	AA	30 Min	8.55	0.01	0.12%	0.02	392,673	779,859	0.12
3	AXP	30 Min	65.32	0.02	0.03%	(0.28)	56,376	294,534	0.18
4	BA	30 Min	84.49	-0.26	-0.31%	(0.19)	70,117	396,866	0.20
5	BAC	30 Min	12.17	0.10	0.87%	(0.01)	1,050,880	6,668,922	1.00
6	CAT	30 Min	88.78	-0.50	-0.56%	0.25	103,132	397,494	(0.59)
7	CSCO	30 Min	21.58	0.00	0.02%	(0.09)	821,585	2,070,329	0.00
8	CVX	30 Min	120.01	1.65	1.39%	0.39	112,919	332,557	1.28
9	DD	30 Min	49.93	0.34	0.69%	0.03	98,774	299,776	0.85
10	DIS	30 Min	57.69	0.35	0.62%	0.00	165,968	411,826	0.75
11	GE	30 Min	23.62	0.13	0.55%	(0.11)	271,501	1,987,269	0.64
12	HD	30 Min	70.31	-0.45	-0.64%	(0.48)	91,027	331,344	(0.52)
13	HPQ	30 Min	21.82	0.50	2.35%	0.38	649,381	1,099,688	2.35
14	IBM	30 Min	215.44	3.38	1.59%	0.79	75,493	237,328	1.54
15	INTC	30 Min	21.58	-0.08	-0.37%	(0.18)	676,703	2,083,063	(0.46)
16	JNJ	30 Min	78.85	0.30	0.38%	0.01	108,257	495,120	0.31
17	JPM	30 Min	50.78	0.62	1.24%	0.10	436,563	1,123,488	1.20
18	KO	30 Min	38.99	0.40	1.04%	0.13	123,291	732,564	0.85
19	MCD	30 Min	99.26	-0.12	-0.12%	0.25	49,984	247,269	(0.12)
20	MMM	30 Min	105.78	0.69	0.66%	0.18	34,506	126,815	0.62

Inserting Symbols

When you first create a RadarScreen window, it is empty. To insert symbols, type a symbol under the **Symbol** column and press **Enter** on the keyboard. Continue to type symbols and press **Enter** on the keyboard until all your symbols are inserted.

You may also click on the **Insert – Symbol** menu sequence to display the **Insert Symbol** dialog. Type a symbol in the symbol box and click on the **Add** button. Repeat the steps until all symbols are displayed in the **Symbol** box and then click on the **Insert** button. Click on the **Lookup...** button to search for symbols by name.



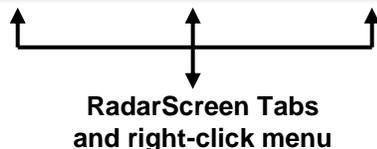
Inserting Pages

You may have up to eight pages in each RadarScreen window. Each will be tabbed along the bottom of the window. To insert a new page, click on the **Insert – Page** menu sequence.

To rename a page, right-click on a tab and click on **Rename**. The current name of the tab is highlighted, allowing you to type a new name over it; press **Enter** on the keyboard when finished.

To arrange pages in a different order, right-click on any page tab and click on **Move**. The **Move Page** dialog allows you to arrange the pages by clicking on the **Move Up** or **Move Down** buttons. Click on **OK** once finished. You may also click and drag the page tabs to a different location.

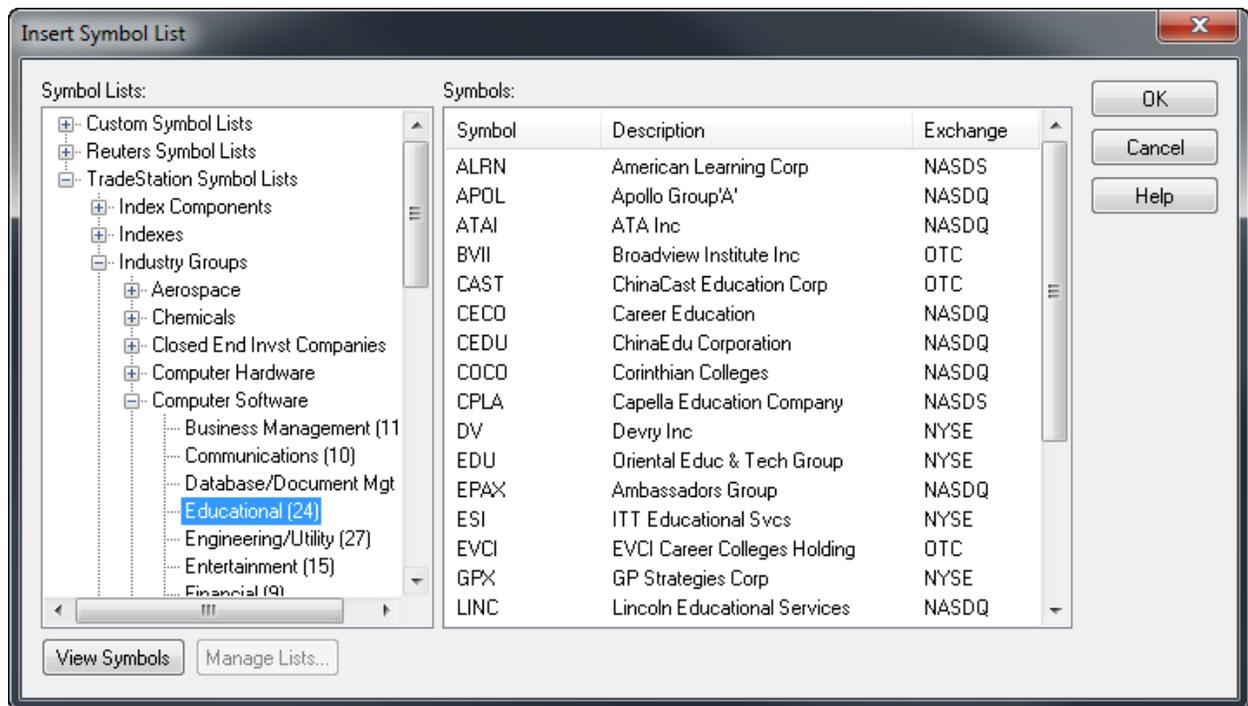
6	CAT	30 Min	88.70	-0.58	-0.65%	0.16	982,469
7	CSCO	Insert Delete Rename Move...		0.01	0.07%	(0.08)	5,342,634
8	CVX		1.53	1.29%	0.34	1,375,336	
9	DD		0.33	0.67%	0.02	852,717	
10	DIS		0.36	0.63%	0.05	1,225,971	
11	GE		0.23	0.98%	(0.05)	6,808,759	



Inserting Symbol Lists

TradeStation provides symbol lists that make it easy to quickly insert multiple symbols into a RadarScreen window. Use the **Insert – Symbol List...** menu sequence or right-click on the RadarScreen window and click on **Insert Symbol List...** from the right-click menu.

TradeStation provides three categories of symbol lists based on different classifications:



Custom Symbol Lists are lists that you create.

Reuters Symbol Lists are lists created by Reuters that we provide and update via the TradeStation Data Network. Symbols are listed by industry groups.

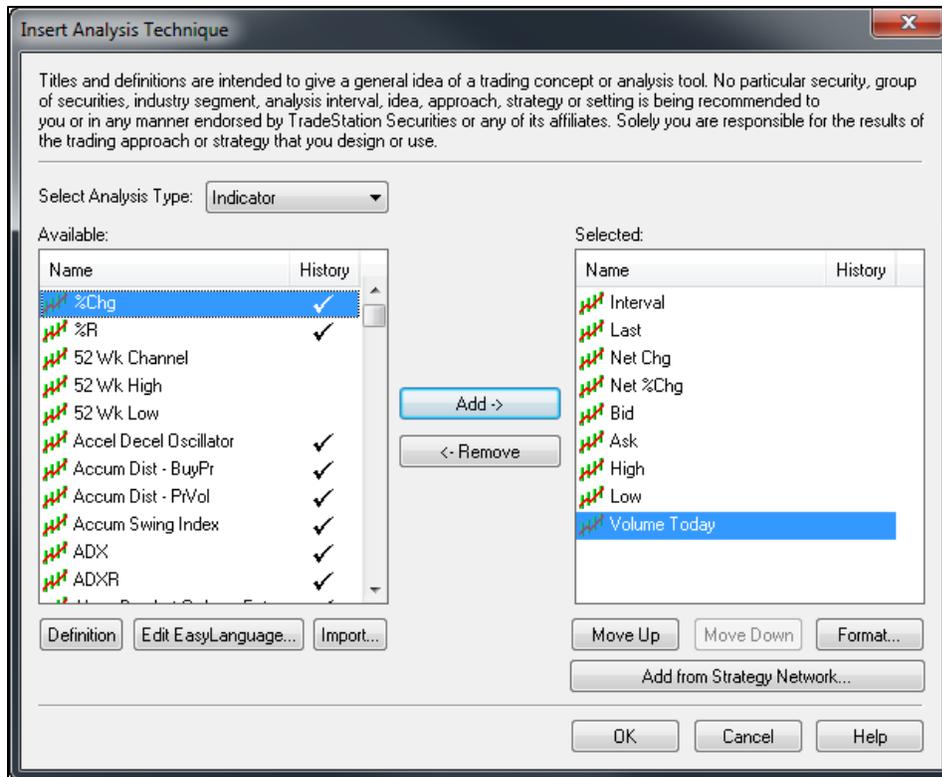
TradeStation Symbol Lists are lists that we provide and update via the TradeStation Data Network. Lists are grouped into four different categories:

- Index Components
- Indexes
- Industry Groups
- Largest Volume Stocks.

Inserting Analysis Techniques

Supplied with RadarScreen are most of the historical indicators available in charting and a host of analysis techniques for stocks based on fundamental data; these allow you to monitor a table of symbols using the same tools you now use chart by chart.

Use the **Insert** menu to insert indicators, ShowMes and PaintBars into a RadarScreen page.



From the **Insert Analysis Technique** dialog, click on the drop-down for **Select Analysis Type** and select the type you would like to insert into RadarScreen. If **All** is selected, the **Available** box will list all custom and built-in indicators, ShowMes and PaintBars in TradeStation. A checkmark under the **History** column indicates that the analysis technique requires historical data to calculate.

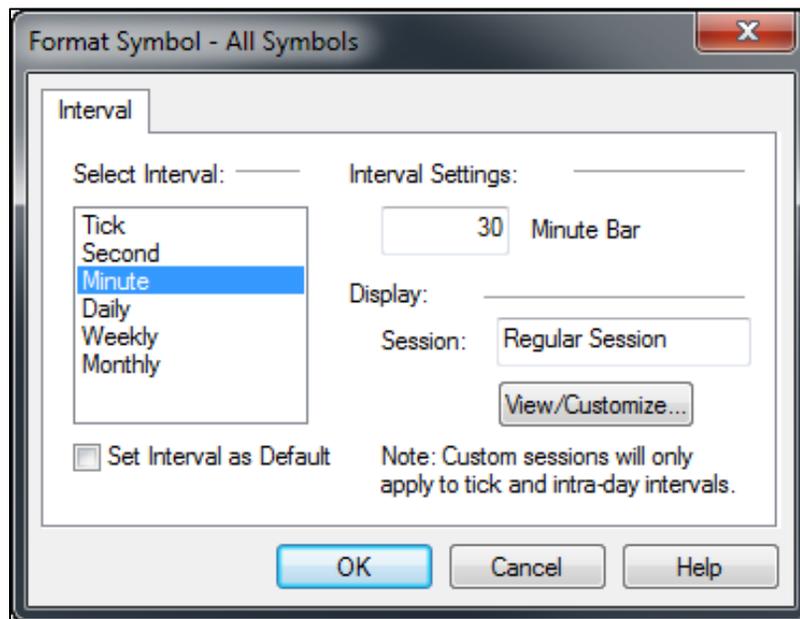
You may add any one of the analysis techniques listed in the **Available** box by highlighting it and clicking on the **Add** button to transfer it to the **Selected** box. All analysis techniques listed in the **Selected** box will display as columns in the RadarScreen window. Remove any analysis techniques you do not need by highlighting them in the **Selected** box and clicking on the **Remove** button.

Once all the chosen analysis techniques are in the **Selected** box, you may click on the **Move Up** or **Move Down** buttons to arrange them in the desired order. Click on the **Format...** button to change the calculation parameters in the **Inputs** tab, or to change the analysis technique's appearance in the **Color** and **Style** tabs. Then, click on **OK** to apply the changes.

Setting the Bar Interval

You can format the interval and session for one or a group of symbols on a RadarScreen page. Each row can be set to the same or different bar interval and you can have the same symbol multiple times with different intervals.

To change the interval of a symbol, right-click on the symbol and select **Format "Symbol"** from the right-click menu.



To change the interval on several symbols simultaneously, you may highlight a group of symbols, right-click on the highlighted area and click on **Format Selected Symbols** from the right-click menu.

To format all symbols on the active page at once, right-click on the **Symbol** column and click on **Format All Symbols...** from the right-click menu.

Interval is used in the calculation of analysis techniques. Each row will load bars of historical data based on the data interval selected to calculate indicators, ShowMes and PaintBars.

Click on the **View/Customize...** button to change the default trading session for the symbols selected. The **Sessions** dialog allows you to manage session templates used in the RadarScreen window to update price data and calculate analysis techniques. You can view the details of session templates and select a new session template to apply for any or all symbols in the current window.

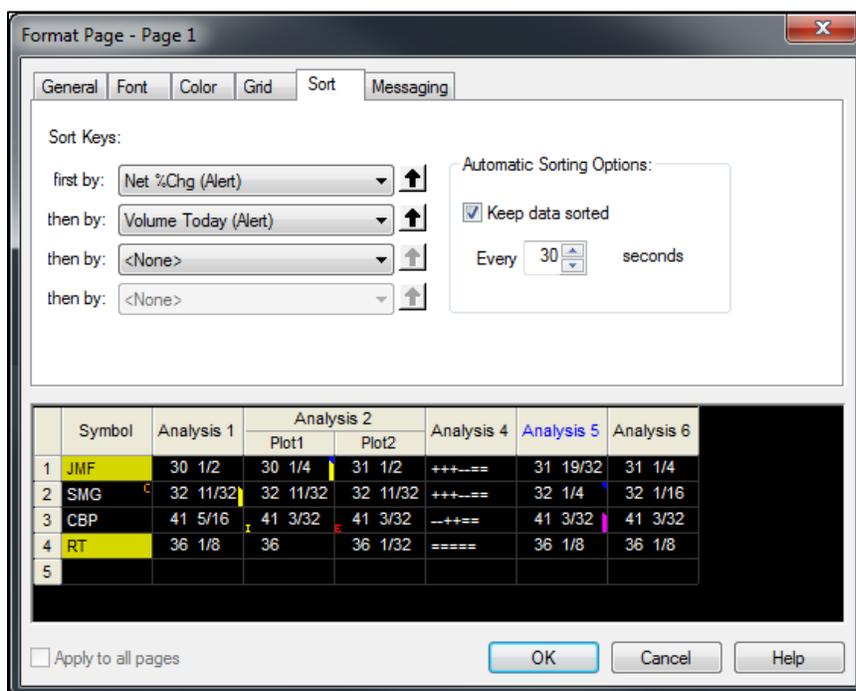
Sorting and Ranking Symbols

The sorting feature in RadarScreen allows you to sort the values of any analysis technique, in descending or ascending order. There are several different methods you can use for sorting columns.

Double-clicking on the column header will execute a sort on demand. The first time you double-click, values will sort in ascending order; the second time you double-click, they will sort in descending order.

You can also sort groups of symbols within the same page by inserting a blank row or label row between groups of symbols. Symbols are automatically sorted within these groups when separated by blank rows or label rows. To insert a blank row or label row, click on the row starting a group and then click on the **Insert – Label Row** or **Insert – Blank Row** menu sequence; the blank row or label row is added above the selected row. When a **Label Row** is inserted, it is highlighted, allowing you to type a custom name for the row. You may click on the **Label Row** at any time to type a different name if needed.

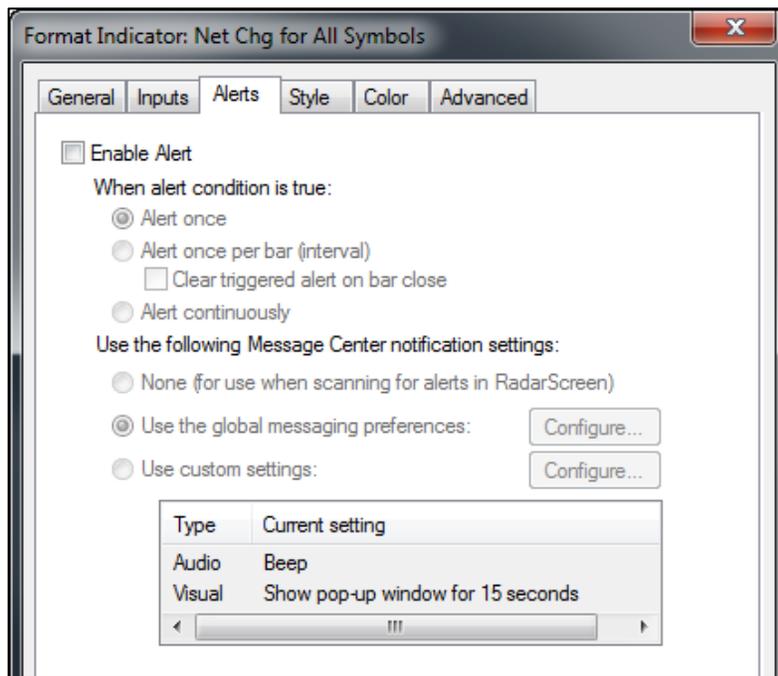
Using the settings in the **Sort** tab of the **Format Page** dialog will allow you to establish a sort sequence to be executed at a regular frequency. To access this tab, click on the **Format – Page...** menu sequence or right-click on RadarScreen and select **Format Page...** from the right-click menu. Putting a check in the **Keep data sorted** checkbox will keep your symbols sorted according to your criteria even as market data changes and analysis techniques are recalculated.



If using alerts on analysis techniques, you may sort symbols based on the trigger of these alerts. Under **Sort Keys**, select the analysis technique followed by the word **Alert** in parentheses. Set the sort arrow to ascending to bring all symbols with alerts triggering to the top of the list.

Setting Alerts in RadarScreen

You can set alerts for a single cell, a group of cells within a column or an entire column. For some analysis techniques, the **Inputs** tab is used to define the alert criteria. To turn on alerts, click on the **Alerts** tab of the **Format Analysis Technique** dialog available from the **Format** menu or the right-click menu on any analysis technique. Click on the **Inputs** tab on this dialog to change the alert criteria.



Alerts may be enabled with or without notification. Under the heading **Use the following Message Center notification settings**, you may choose from the following alerts:

- **None** places alert markers in RadarScreen cells, but does not generate separate alert messages such as audio, pop-ups, etc. This is for RadarScreen only and is commonly used when sorting based on alert criteria.
- **Use the global messaging preferences** provides alert notifications via the Message Center and can include audio beeps, visual pop-ups or email messages, according to your global settings.
- **Use Custom Settings** provides alert notifications via the Message Center and can include audio beeps, visual pop-ups or email messages, according to custom settings for this instance only.

Alert Markers

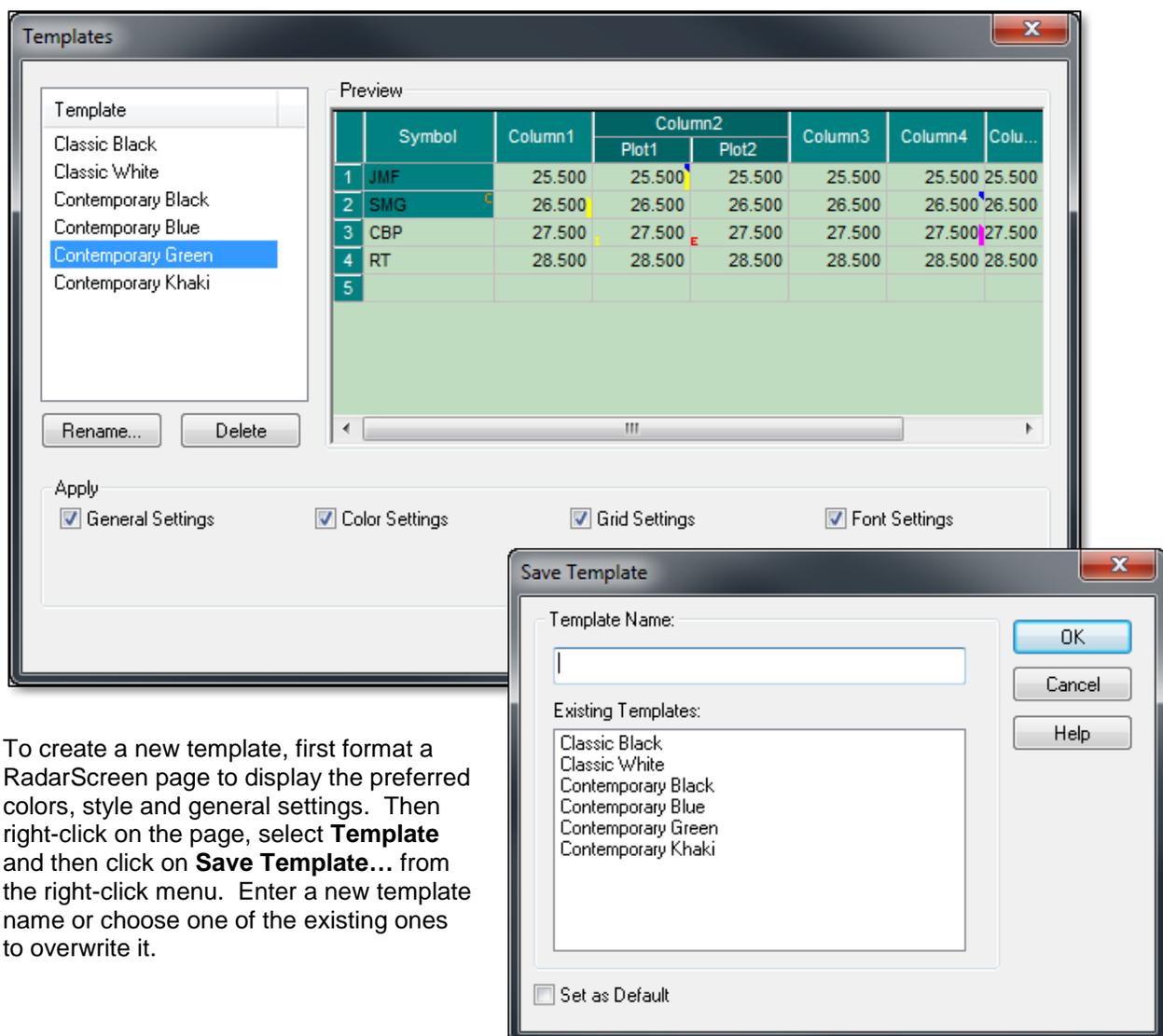
In a RadarScreen window, alert markers are displayed in the cells to indicate the status of an alert.

- **Alert Enabled:** a blue marker in the upper right corner of the cell.
- **Alert Triggered:** a yellow marker on the right edge of the cell.
- **Past Triggered Alert:** a magenta marker on the right edge of the cell.

Working with Templates

A template allows you to save your favorite window settings so that they can then be applied to another window and instantly apply the same settings to all pages in the window. The settings that are saved in a template include the general, color, font and grid settings available by clicking on the **Format – Page** menu sequence.

There are several style templates supplied with TradeStation. To apply one of these templates, right-click on the RadarScreen window, select **Template** and click on **Apply Template...** from the right-click menu. To set a template as the default, right-click on the page, select **Template** and click on **Save Template...** from the right-click menu. Select the template you want to set as default and check the **Set as Default** checkbox at the bottom of the dialog.



To create a new template, first format a RadarScreen page to display the preferred colors, style and general settings. Then right-click on the page, select **Template** and then click on **Save Template...** from the right-click menu. Enter a new template name or choose one of the existing ones to overwrite it.

Working with Analysis Groups

Analysis groups are organizational tools. You can apply as many analysis techniques as you want to a RadarScreen window, format them the way you want and then save them as an analysis group. You can then open another RadarScreen window in any workspace and apply the analysis group. You can also select a default analysis group to apply every time you create a new RadarScreen window.

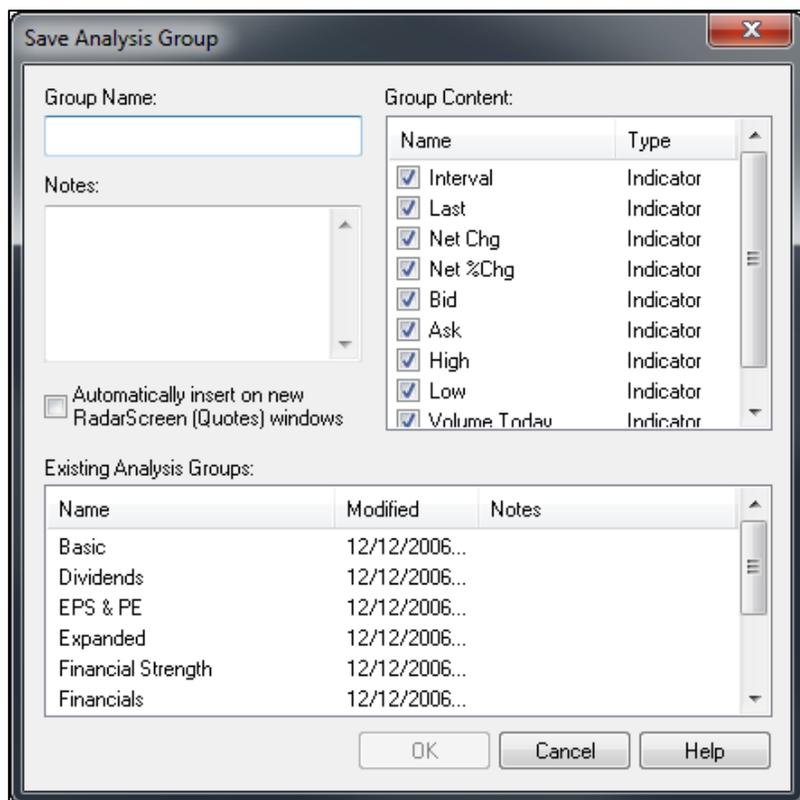
There are several analysis groups included with TradeStation, but you can also create your own by saving your favorite groups of analysis techniques into an analysis group.

To save a group of analysis techniques, right-click on RadarScreen and select **Save Analysis Group...** from the right-click menu.

All analysis techniques listed in the Group Content box are checked by default and will be saved in the analysis group. To exclude any of the analysis techniques, uncheck the checkbox.

Check the checkbox for **Automatically insert on new RadarScreen (Quotes) windows** if you wish to use the same analysis techniques going forward.

You may also access and manage analysis groups by right-clicking on the RadarScreen window and selecting **Manage Analysis Groups...** from the right-click menu.

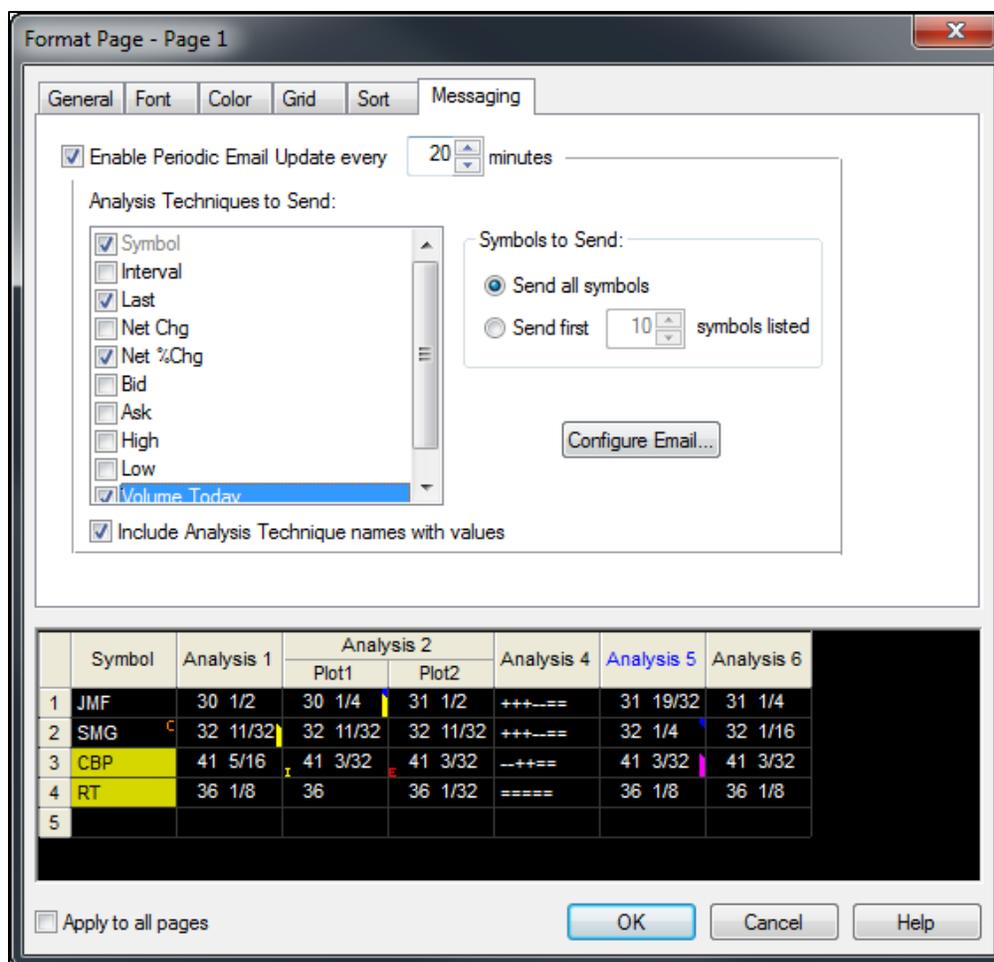


Periodic Email Updates

The **Messaging** tab in the **Format Page** dialog allows you to set up the periodic update messaging feature for the RadarScreen window. This feature sends an email containing selected values from RadarScreen to the email address of your choice at a frequency specified by the user.

You can enable this feature on a page-by-page basis or for all of the pages. Also, you might want to be notified more or less frequently depending on the type of symbols on a particular page.

Check the **Enable Periodic Email Update** checkbox and enter the number of minutes for the frequency. Choose the analysis techniques to include in the email by checking their checkboxes. You may also select the number of symbols to include in the email. Click on the **Configure Email...** button to enter your email address and your Internet service provider's SMTP settings.



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