



DDxtra [®]
Trading platform
user guide

v.6

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1.0 DDXtra Installation

DDXtra installation is a user friendly process designed to allow any person no matter how computer literate to install (and uninstall if necessary) the software. Just follow the detailed instructions below to install the DDXtra Software.

1.1 System Requirements

Before installing DDXtra, be sure your system meets these minimum requirements:

- Operating System: Windows Vista or Windows XP with Service Pack 2 (recommended)
- CPU: Pentium IV, 1 GHz
- Memory: 1 GB RAM
- Video Card: 128 MB RAM on the video card
- Internet Connectivity: High Speed Cable. Access to DisnatDirect's platforms using a wireless or a satellite internet connection is not recommended.
- Network Card: Some network cards may be incompatible with DisnatDirect's platforms (e.g. Marvell Yukon, Attansic L1 Gigabit).

Attempting to operate DDXtra on a PC, which does not meet the minimum requirements above, will result in system instability. Such symptoms as freezing, loss of Internet connectivity, increased lag times in the delivery of market data, and other negative consequences may be experienced.

1.2 Installing from the web

- Follow the web link given to you by your Software Provider to download the DDXtra file.
- When prompted, select "Save file to disk", and select an easy-to find location for the file (such as your desktop).



Figure 1.0

- After saving the file, double-click on DDXtra.exe Icon (see above figure 1.0) to launch the installer.
- Accept the license agreement, and follow the instructions to complete the installation. By Default the program will be installed in "C:\Program Files\Disnat Direct\DDXtra" but the location can be altered during the installation if desired.



Figure 1.1

- Once the install is complete, the DDXtra shortcut icon will be on your desktop (see above figure 1.1), and in your Windows Start Menu.

If the DDXtra installer is running and DDXtra is already installed on the PC, then an uninstall process will run instead. Once uninstall is complete, run the DDXtra installer again to perform the installation.

2.0 Basics

To learn to navigate through DDXtra we will begin with the basics. Topics that are covered are: logging-in, setting and saving the screen layouts, menu choices and functions, icons, printing, and more.

2.1 System Login



Figure 2.1

When DDXtra is launched, the system login box appears after the software load is completed. Once a valid User ID and Password are entered, clicking OK will launch the DDXtra interface and establish the server connection.

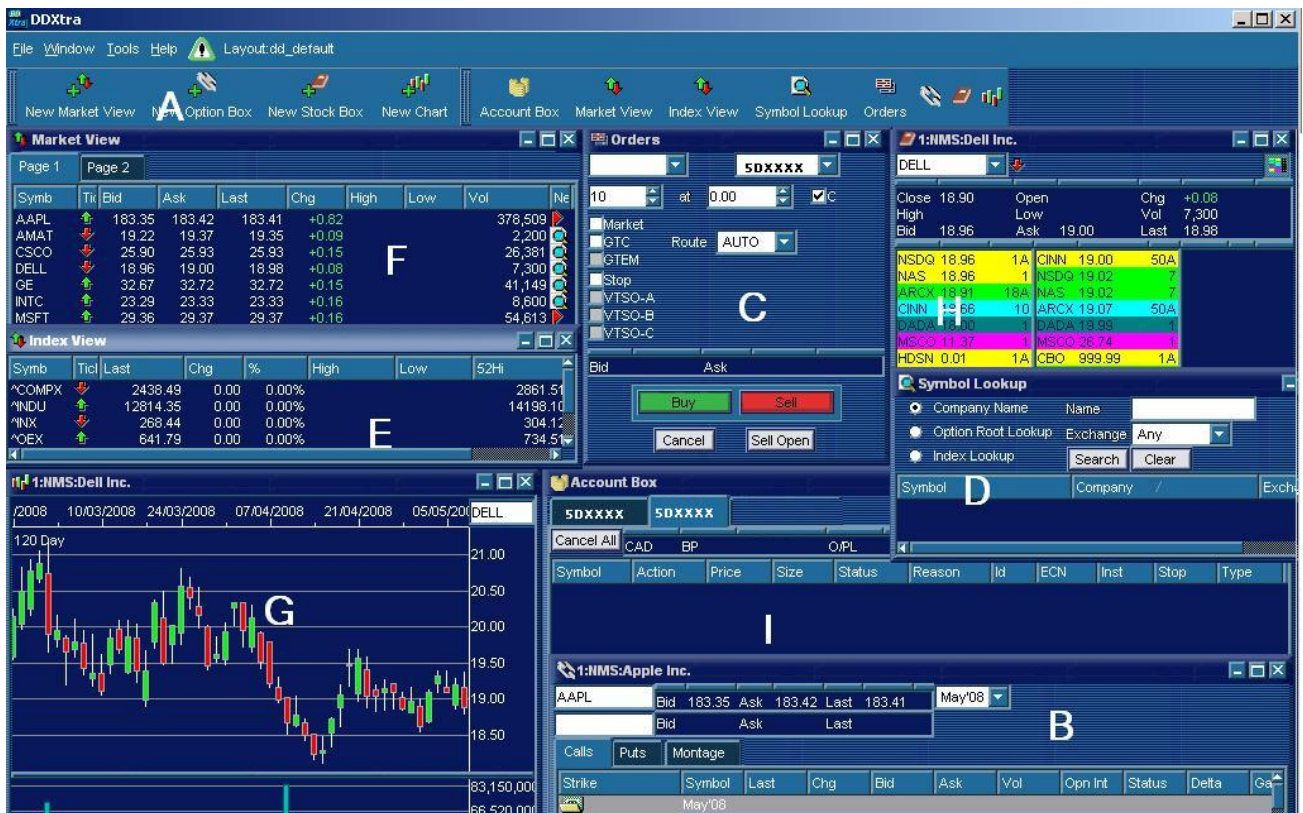


Figure 2.2

The "Options" button allows for the DDXtra Network address to be changed from "live" to "demo" before the login request is submitted. This should NEVER be changed unless specifically ordered by Technical Support. Changing the network server address can result in an inability to connect to the DDXtra Servers, rendering executions and/or quote data unattainable. Exercise extreme caution with this setting.

2.2 The DDXtra Interface

Figure 2.3



- A. **Navigation Bar:** allows for easy navigation of DDXtra software.
- B. **Option Box:** the Option Box is for option chain quote information
- C. **Order Box:** from which trades can be executed. It therefore includes the fields for “Number of Shares” “Price” as well as a buttons for different order types. For a more detailed description of the Execution Manager function, please refer to 4.0 Order Execution.
- D. **Symbol Lookup:** Look up a symbol for a particular company or to find the underlying symbol for an Option symbol.
- E. **Index Box:** shows the current real-time values of the major market indices. Please refer to 7.0 Decision Support for more details.
- F. **Market View:** provides the ability to monitor many individual stocks with real-time Level I quotes. Please refer to 6.0 Decision Support for more details.
- G. **Chart Box 1:** is linked to Stock Box 1 by default. This Chart Box will display detailed intra-day, daily, and weekly charts for the stock selected in Stock Box 1 or any stock symbol entered on the stock field in the chart box. In addition to basic price movement, also included are details such as volume, Relative Strength, Momentum Indicators, etc. Please refer to 6.0 Charting.
- H. **Stock Box 1:** the Stock Box is for Level I and II quote information. It is also possible to have a second Stock Box open by clicking on the Stock Box Menu and selecting Stock Box 2.
- I. **Account Watcher:** the multiple tabs in this window provide order management, real-time portfolio tracking, and monitoring of account statistics. Status lights indicate system conditions in real time. For a more detailed description of the features please see 5.0 Account Watcher.

Figure 2.3: the DDXtra Interface is shown here with 1 Stock Box, 1 Chart Box and the Option Box active.

2.3 File Menu

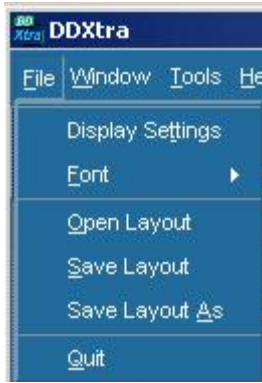


Figure 2.4

File Menu is found at the upper left hand corner of your DDXtra window. It contains the following choices:

- **Display Settings:** launches the Settings dialog box. This utility allows you to customize many of the settings that govern the overall look and feel of DDXtra as well as default values for many of the variables. (For detailed explanation see section 2.3.1 Settings)
- **Font:** allows you to choose the default font, font style and font size for the DDXtra application.
- **Open Layout:** Allows you to use a saved setting from a previous time or different user. (For detailed explanation see section 2.3.2 Font)
- **Save Layout:** updates the settings file for the current user. This includes the size and location of all active modules, the stock symbols in each module, the setting values for all application variables, etc. Different settings files are kept for each Login ID on the local PC. If you are logged into multiple accounts, then the settings are saved under the first Login ID (the account on the left-most tab in the Account Box). (For detailed explanation see section 2.3.3 Save Settings)
- **Save Layout As:** Saves current settings file under a specific name chosen by you. (For detailed explanation see section 2.3.3 Save Settings)
- **Quit:** exits the application. If any settings variables have changed since they were last saved, then a Save Settings dialog box will pop-up before exiting.

2.3.1 Settings

Figure 2.5

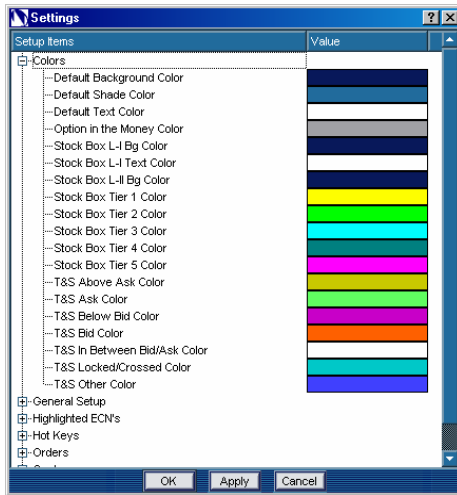


Settings menu allows you to change Colors, General Information Functionality, and Quote Information. When changing the settings click [OK] or [Apply] to save the choices, or [Cancel] to exit without saving. Clicking either the [OK] or [Apply] buttons will instantly implement the new settings, and will therefore cause the application to flicker momentarily while DDXtra is reinitialized.

2.3.1.1 Colors

All colors can be changed using this menu except colors for charting which can be found in the settings menu for charting. Be sure not to change the Background color to the same color as your text color. If this is done you will not see any important quotes or messages.

Figure 2.6



- **Default Background Color:** Color of all windows background except windows with specific Color settings (i.e. Stock Boxes, Charts)
- **Default Shade Color:**
- **Default Text Color:** Color of Text except Text with specific Color settings.
- **Option In the Money Color:** Color of option contracts that are in the money.
- **Stock Box L-I Bg Color:** Color of background of level 1 information found in the stock boxes.
- **Stock Box L-I Text Color:** Color of Text of level 1 information found in the stock boxes.
- **Stock Box L-II Bg Color:** Color of background of level 2 or Level 1 $\frac{3}{4}$ information found in the stock boxes.

(2.3.1.1 Colors continued)

- **Stock Box Tier 1 Color:** Color of first tier of market makers in the level 2 or Level 1 $\frac{3}{4}$ found in the stock boxes.
- **Stock Box Tier 2 Color:** Color of second tier of market makers in the level 2 or Level 1 $\frac{3}{4}$ found in the stock boxes.
- **Stock Box Tier 3 Color:** Color of third tier of market makers in the level 2 or Level 1 $\frac{3}{4}$ found in the stock boxes.
- **Stock Box Tier 4 Color:** Color of fourth tier of market makers in the level 2 or Level 1 $\frac{3}{4}$ found in the stock boxes.
- **Stock Box Tier 5 Color:** Color of fifth tier of market makers in the level 2 or Level 1 $\frac{3}{4}$ found in the stock boxes.
- **T&S Above Ask Color:** Color of prints that are above the ask price found in the stock boxes.
- **T&S Ask Color:** Color of prints that are at the ask price found in the stock boxes.
- **T&S Below Bid Color:** Color of prints that are below the bid price found in the stock boxes.
- **T&S In Between Bid/Ask Color:** Color of prints that are between the ask price and the bid price found in the stock boxes.
- **T&S Lock/Crossed Color:** Color of prints that are between the ask price and bid price when the ask price is lower than the bid price found in the stock boxes.
- **T&S Other Color:** Color of prints other than the ones just mentioned found in the stock boxes.

2.3.1.2 General Setup

General Setup is used to set the general functionality of DDXtra

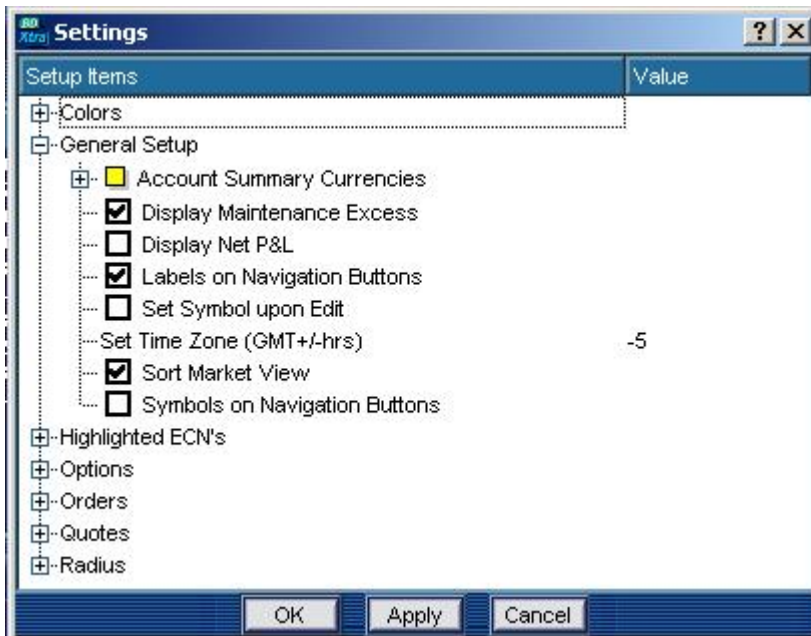


Figure 2.7

- **Account Summary Currencies:** DDXtra has the ability to trade multiple stocks from different countries. Account Summary Currencies allows you to display stocks in all primary, or secondary, only currencies.
- **Display Maintenance Excess:** In addition to the buying power available in the Account Box section, this option will allow you to view excess margin as well.
- **Display Net P&L:** Display the P&L after commissions have been taken out.
- **Labels on navigation buttons:** when checked causes the text labels to be displayed below the buttons on the Quick Start Tool Bar, as well as the module icons on the Navigator Tool Bar.
- **Sort Market View:** Will sort the Market View by one of the columns found in Market View. If not chosen then symbols will not be sorted even if you click on the column to sort the symbols.
- **Symbols on navigation buttons:** when checked causes the relevant stock symbol to be displayed below each of the Chart, Stock Box, and Option Box icons on the Navigator Tool Bar.

2.3.1.5 Orders

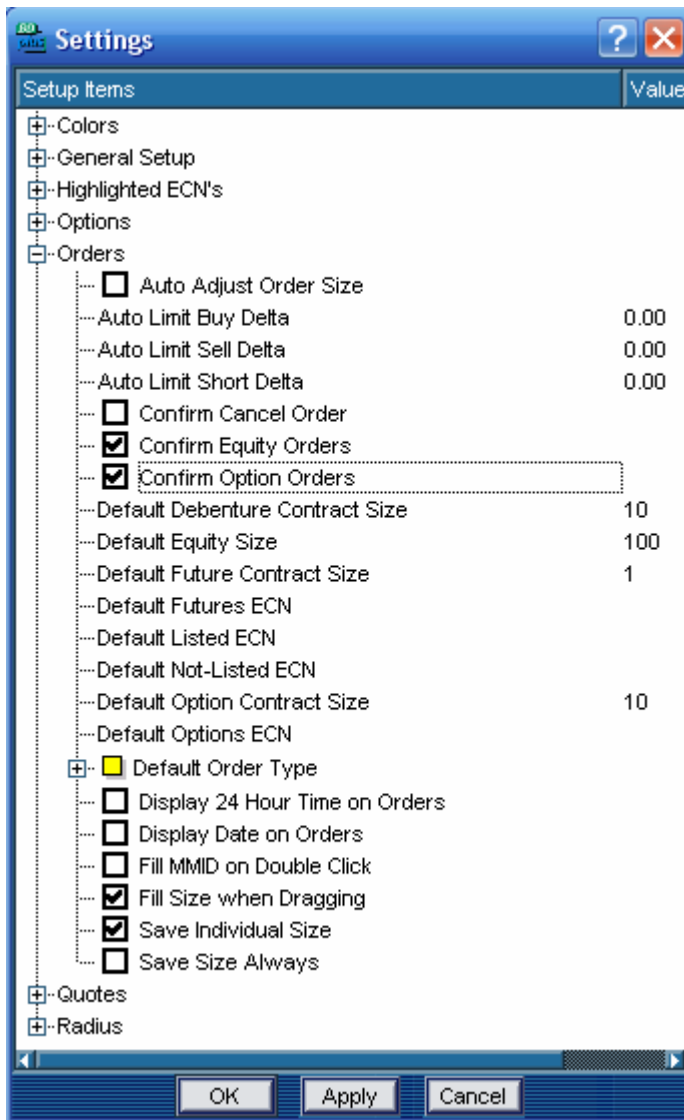


Figure 2.10

The Orders section manages settings related to Order Entry and default order settings in DDXtra:

- **Auto adjusts order size:** determines whether the system will automatically adjust order size when CLOSING a position. If checked, an order to close a position which exceeds the share size of the open position will have its share size automatically changed to match the open shares available. If not checked such an order will be rejected as exceeding the available share size.
- **Auto Limit Buy Delta:** enter the dollar amount to use when setting the price of an Auto Delta Limit Buy. This amount will be added to the current Best Ask to determine the Limit Buy price.
- **Auto Limit Sell Delta:** enter the dollar amount to use when setting the price of an Auto Delta Limit Sell. This amount will be subtracted from the current Best Bid to determine the Limit Sell price.
- **Auto Limit Short Delta:** enter the dollar amount to use when setting the price of an Auto Delta Limit Short. This amount will be subtracted from the current Best Bid to determine the Limit Short price.
- **Confirm Cancel Orders:** when checked a pop up will appear and the user must confirm cancellation of order
- **Confirm Equity Orders:** when checked will force a pop-up box to appear for every equity order. The user must then confirm the order before it is sent to the servers for execution.
- **Confirm Option Orders:** when checked will force a pop-up box to appear for every option order. The user must then confirm the order before it is sent to the servers for execution.
- **Default debenture contract size:** if save size always is not selected or if no size has been inputted then the default size for all TSX debenture contracts will be populated with this size in the size field.

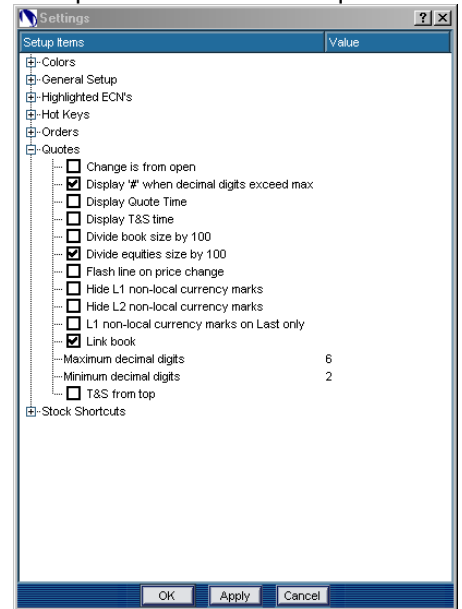
- **Default equity size:** share size that will populate an order ticket for an equity symbol by default.
- **Default Listed ECN:** ECN you wish to send all NYSE equities Orders to unless otherwise selected by you. If no ECN is add here the current default is Auto. (Auto is when a ECN is selected per a set Routing path has already been chosen by the broker) Only use this function if you wish to use a particular ECN as a default other than the one found in the auto routing.
- **Default Not-Listed ECN:** ECN you wish to send all NASDAQ, OTC, OTCBB, and pink sheet orders to unless otherwise selected by you. If no ECN is added here the current default is Auto. (Auto is when a ECN is selected per a set Routing path has already been chosen by the broker) Only use this function if you wish to use a particular ECN as a default other than the one found in the auto routing.
- **Default option contract size:** contract size that will populate an order ticket for an options contract by default.
- **Default Options ECN:** ECN you wish to send all option contracts orders to unless otherwise selected by you. If no ECN is added here the current default is Auto. (Auto is when a ECN is selected per a set Routing path has already been chosen by the broker) Only use this function if you wish to use a particular ECN as a default other than the one found in the auto routing.
- **Default Order Type:** Allows default to be either day order, GTC order or market order
- **Display 24-hour time on orders:** alters the timestamp displayed on order messages in the DDXtra log, as well as in the Order History window.
- **Display date on orders:** adds the date stamp to order messages displayed in the DDXtra log.
- **Fill MMD on double click:** fills in route and exchange on an order if an exchange is double clicked in the option montage.
- **Fill size when dragging:** allows the user to populate the share size of an order ticket by dragging a position from the Positions window in the Account Box to a Stock Box. Thus if the default equity size is 100, but the user has an open position for 500 shares of CSCO, when they drag the CSCO symbol from their positions to a Stock Box (presumably to close the position), the share size will be changed to match the open number of shares. If not selected, then the share size would remain at the default setting (100 in the example).
- **Save individual size:** this instructs DDXtra to remember the share size used for each specific symbol entered in an order ticket, regardless of which Stock Box is used. This “memory” persists as long as DDXtra is running, but is erased when the application is shut down.
- **Save size always:** causes the share size to remain static in each Stock Box as the user changes symbols. If Stock Box 1 has a share size of 500, and Stock Box 2 is set to 1000 shares, these sizes will remain consistent no matter which symbol is entered.

The share size will still vary between Equities, Options, and Futures, even when Save Size Always is checked. The share size will be preserved within all like instruments (e.g. 200 for Equities, 10 for Options, and 1 for Futures).

2.3.1.6 Quotes

Quotes controls global settings related to how market data is displayed in DDXtra:

- **Change is from the open:** by default, the “Change” value displayed in Level I data (in the Market View, Stock Boxes, etc) is calculated vs. the previous close price. Check this box to see the Change calculated against this morning’s open price instead.
- **Display ‘#’ when decimal digits exceed max:** if a quote has exceeded its max digits the following digits will be displayed as # instead of being rounded off.
- **Display Quote Time:** this option will add the time of every quoted price into the Level II quote display for all Stock Boxes.
- **Display T&S time:** when checked, this feature will show the timestamp on each print as it scrolls by in the Time & Sales area of each Stock Box. Figure 2.11
- **Divide equities size by 100:** same as above, but this setting will affect the quotes from the exchanges as opposed to the ECN Books.
- **Hide L1 non-local currency marks:** check this setting so that the currency symbol (USD, CAD, EUR, etc) will NOT be displayed when viewing a foreign-currency symbol in the level 1 section of the Stock Box.
- **Hide L2 non-local currency marks:** check this setting so that the currency symbol (USD, CAD, EUR, etc) will NOT be displayed when viewing a foreign-currency symbol in the level 2 section of the Stock Box.
- **L1 non-local currency marks on Last only:** check this setting so that the currency symbol (USD, CAD, EUR, etc) will ONLY be displayed on the “Last Price” when viewing a foreign-currency symbol in any Level 1 quote display (such as Market View or the Account Box).
- **Link book:** links stock boxes to the book box.
- **Maximum decimal digits:** maximum number of decimal places to display on all price values in all modules (the default is 4).
- **Minimum decimal digits:** minimum number of decimal places to display on all price values in all modules (the default is 2). The minimum number of decimal places will always be displayed, whereas decimal places above the minimum up to the maximum are only displayed as necessary.
- **T&S from top:** instructs DDXtra to show T&S prints from the top of the T&S window within each Stock Box. This is the default. Clear this checkbox if new T&S prints should appear from the bottom instead.



2.3.2 Font

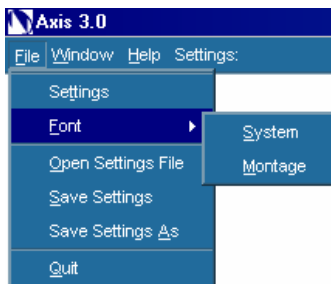


Figure 2.12

All the fonts found in DDXtra can be changed to suit your preferences. Simply click on “file” then “font” to change the font (see figure 2.13). There are two choices: System (which is for all fonts not found in a level 2 screen or montage) and Montage. Select one of the two choices to change the font. A window will pop up. (See figure below)

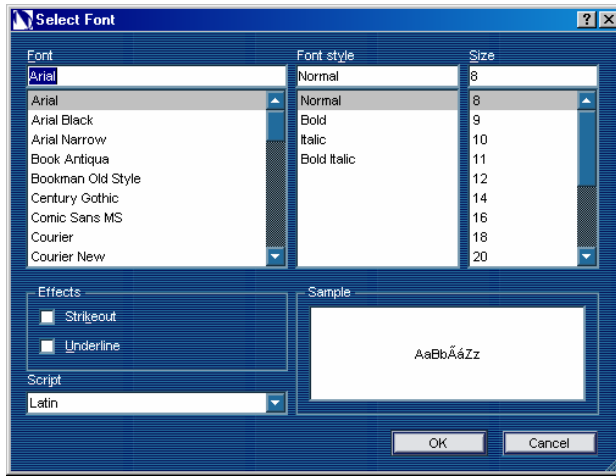


Figure 2.13

You have the choice to change Font, Font Style, Size, Effects, and Script. Color of the font can be found in section 2.3.1.1 Color. Once all changes have been made click [OK] to save or [Cancel] to delete changes.

2.3.3 Save Settings

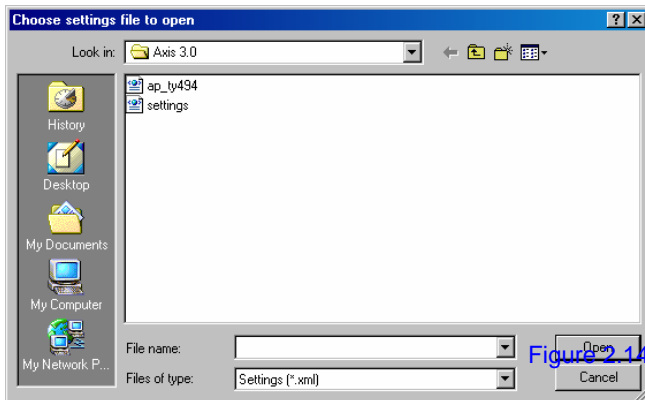


Figure 2.14

Once all settings have been made and the windows are in positions you like then you can save the current settings as a file to be retrieved later. Any user with a preference for that particular layout may use that file. To open a file click on File then Open Settings File. Once this has been done a window will appear. (See figure 2.15)

You must select the settings file you wish to use. Click on the file name to select then open to use that file setting.

To save a setting, click save settings. If you have not named your current setting it will default to a

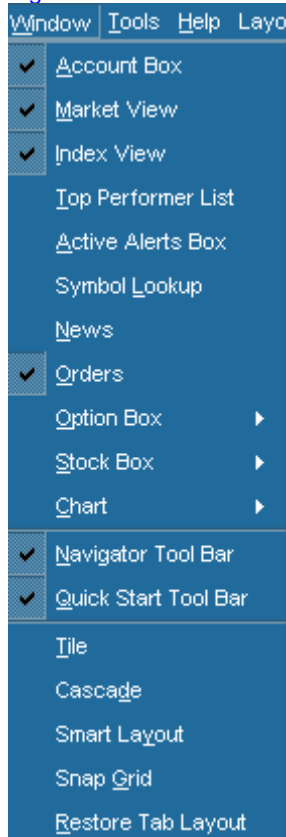
generic name scheme, which is ap_(your login ID).

If you use the “Save Settings As” you can then save your setting under the name of your choice.

2.4 Window Menu

The Window menu is used to control the presence or absence of DDXtra modules and Tool Bars, as well as special layout management features.

Figure 2.15



Modules: the top section of the menu lists individual DDXtra modules, and allows the user to toggle them on and off. A check box to the left of a module indicates that it is active and visible within the application (although it may be hidden beneath other modules). Because there are multiple instances of the Option Box, Stock Box, and Chart modules, each of these objects has a sub-menu to the right that allows the specific numbered instance to be toggled on or off

- **Tool Bars:** the middle section of the Window menu contains the two DDXtra Tool Bars: Navigator and Quick Start. These choices toggle on and off these tool bars within the header area of the application.
 - **Layout Management:** – the four selections in the bottom section of the menu provide different types of layout control:
 - **Tile:** this selection will arrange all open modules by assigning each module roughly equal screen space. All modules will be visible but their size will not necessarily make sense relative to their function.
 - **Cascade:** this choice will take all open modules and arrange them one on top of the other, so that the title bar for each is visible. This layout does not make sense for usability, but it can be a useful starting point to see all of the open modules so that they can then be manually moved and arranged.
 - **Smart Layout:** using elements of both Tile and Cascade, with more intelligence, this feature arranges the open modules in a way that tries to increase their usability. The modules are each sized and placed according to use and importance. Additionally, if more Charts or Stock Boxes are active than can reasonably be displayed simultaneously, DDXtra will Cascade the Charts and Stock Boxes within a specific area, while Tiling other modules.
 - **Snap Grid:** this feature toggles on and off, and helps the user line up the corners and edges of the various modules. When Snap Grid is active, and a module is resized, or dragged and dropped, it will snap into a position relative to the edges and corners of the surrounding windows.

2.5 Navigation

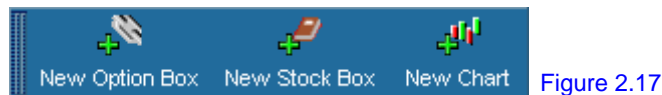
Figure 2.16



The Navigator Tool Bar is activated by either selecting it from the Window menu or by right-clicking in the DDXtra application header area and then selecting it from the drop-down menu that appears. This Tool Bar contains an icon for each active module, and allows the user to quickly locate the module and bring it to the foreground by simply clicking on the corresponding icon.

The labels for the various modules may be toggled on and off. Similarly, the stock symbols may be activated or deactivated below the icons representing the Option Box (chain link icon), Chart (bar graph icon), and Stock Box (book icon). Whether or not the labels or symbols are displayed, simply hovering over the icon will display the corresponding label as well.

The entire Navigator Tool Bar may be positioned by clicking and dragging the far left edge, where the ridges are located.



The Quick Start Tool Bar is activated by either selecting it from the Window menu, or by right-clicking in the DDXtra application header area and selecting it from the drop-down menu that appears. This tool bar provides a shortcut for launching another instance of an Option Box, Stock Box, or Chart. When a new Object is activated; it will appear in the same position in which it was last displayed, or in the upper left corner of the application when it is displayed for the first time.

The labels for the three buttons may be toggled on and off. Whether or not the labels are displayed, simply hovering over the icon will display the corresponding label as well.

The entire Quick Start Tool Bar may be positioned by clicking and dragging the far left edge, where the ridges are located.

2.6 Windows Management

Basic window controls:

Window Controls: within the DDXtra application, each window, or module, has its own set of controls. These are the standard Microsoft Windows capabilities, and include Minimize, Maximize/Restore, and Exit buttons in the upper right corner of each module. Each module may also be resized by clicking and dragging on its edges or corners, or the entire module can be moved by clicking and dragging on its title bar.

Drag & Drop Functionality: Stock Symbols may be “dragged and dropped” from one module to another throughout DDXtra.

Common uses include dragging a symbol from a list in the Market View and dropping it into a Stock Box to get a Level II quote, or dragging a symbol from the Open Positions tab in the Account Box into a Stock Box in order to trade on the position. In general a Stock Symbol can be dragged and dropped from any DDXtra module to any other module, which permits a Stock Symbol to be entered.

Basic window menus:

Right-Click Capabilities: the right mouse button is used in every module to display a context-sensitive menu of operations. Some of the right-click menus are brief, while others are complex. Some of the modules have different right-click menus that will display depending on exactly where you click (for example in the Open Orders screen versus the Open Positions screen within the Account Box). Modules in which lists of information are presented (including the Market View, Positions Tab in the Account Box, etc) include these standard right-click menu choices:

- **Columns:** this will display a Columns dialog box allowing for each of the columns within the module to be toggled on or off, as well as the column order to be determined.
- **Print:** prints the contents of the module via a Windows Print dialog box.
- **Export:** exports the contents of the list module to a Comma Separated Value (CSV) file. This type of file can be opened directly with Microsoft Excel and other spreadsheet programs.
- **Smart Width:** this option will resize the columns in the module so that each column width is equal to the maximum data width and all the values can be seen.

2.7 Icons



- **Minimize Button:** Clicking on this will minimize the active module window to the bottom of the application window.
- **Maximize Button:** Clicking this button will maximize the selected module.
- **Close Button:** Clicking this button will close out the selected module.



- **Stay to the Right Button:** this button to the immediate right of the horizontal scroll bar toggles on and off and determines whether the chart automatically stays focused on the right edge (auto-scrolling as new data is displayed). If toggled off the chart will stay focused wherever it is manually set along its horizontal axis.



- **After Hours Button:** toggle this clock-icon button on to display chart activity, which occurred outside of normal market hours.



- **Level 2 Button:** toggle this icon button on to display Level 2 activity or off to hide it.



- **Scroll Tabs Button:** this button scroll to tabs that are hidden to the left or right of a window.

3.0 Charts and Studies

DDXtra can display up to two charts simultaneously, and each separate chart is numbered. New charts are added via either the Window > Chart menu, or the “New Chart” button on the Quick Launch tool bar.



Figure 3.1

The basic elements of each chart include:

1. **The Chart Header:** with the company name in the title bar, and the Duration, Interval, and active studies settings in the upper left (see example at right).
2. **Main Chart Area:** displays the chart data in candlestick, bar, or line format. Studies are also displayed in this area overlaid with the pricing data or in 2nd box or 3rd box.
3. **The Chart Symbol:** the text field in the upper right. This works like the symbol field on each Stock Box. A symbol can be typed in, or can be dragged and dropped from other modules.
4. **2nd Box:** this area is used to display different chart studies that you don't want overlaid on the chart graph. To resize the area, hover over the horizontal bar, which separates 2nd from the main chart area until a double-arrow icon appears. Then click and drag the bar to the desired location.
5. **3rd Box:** this area is used to display different chart studies that you don't want overlaid on the chart graph. To resize the area, hover over the horizontal bar, which separates 3rd Box from the main chart area until a double-arrow icon appears. Then click and drag the bar to the desired location.
6. **Volume:** below the main chart area the trading volume is displayed in bar or line format. To resize the volume area, hover over the horizontal bar, which separates volume from the main chart area until a double-arrow icon appears. Then click and drag the bar to the desired location.
7. **Horizontal Scroll Bar:** use the scroll bar at the bottom of the chart to move along the time axis.
8. **Stay to the Right Button:** this button to the immediate right of the horizontal scroll bar toggles on and off and determines whether the chart automatically stays focused on the right edge (auto-scrolling as new data is displayed). If toggled off the chart will stay focused wherever it is manually set along its horizontal axis.
9. **After Hours Button:** toggle this clock-icon button on to display chart activity, which occurred outside of normal market hours.

3.2 Drawing Trend and Support Lines

Figure 3.5

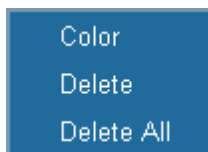


Each DDXtra chart can display up to six trend lines and three support lines simultaneously. Trend lines are user-drawn diagonal lines used to plot a price trend in order to more easily identify when a stock breaks through that specific trend. Support lines are horizontal lines, which are typically used to define a support-resistance price range within which a stock is moving, also to help identify breakout events.

Using Trend Lines:

- **Adding Trend Lines:** Hold down on the [Shift] key and then click and drag with the left mouse button to draw the line. The trend line will appear in the default color specified within the Chart Settings.
- **Adjusting a Trend Line:** position the mouse pointer over the either end of the trend line until a 4-arrow pointer appears. Then click and drag the end of the line as desired to change its angle and location.
- **Changing Color:** position the mouse pointer over the either end of the trend line until a 4-arrow pointer appears. Right-click and select “Color” from the pop-up menu. Choose the desired color from the custom color box and click [OK].
- **Deleting Trend Lines:** position the mouse pointer over the either end of the trend line until a 4-arrow pointer appears. Right-click and select “Delete” from the pop-up menu to delete the selected line. Or select “Delete All” from the pop-up menu to delete ALL of the trend lines on the selected chart

Figure 3.6



(other charts will not be affected). Trend lines are treated separately within the Intra-day, Daily, and Weekly charts. Trend lines placed on a Daily chart will NOT show up on the Weekly chart in the same Chart box. However, the maximum of six trend lines applies to the entire chart module – Intra-day, Daily, and Weekly combined.

When the maximum of six trend lines is reached, adding a seventh line will automatically delete the first.

Using Support Lines:

Figure 3.7



- **Adding Support Lines:** Hold down on the [Control] key and then click the left mouse button to insert the horizontal line. The support line will appear in the default color specified within the Chart Settings.
- **Adjusting a Support Line:** position the mouse pointer over the support line until a 2-arrow pointer appears. Then click and drag the line up or down as desired to change its location.

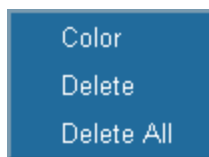
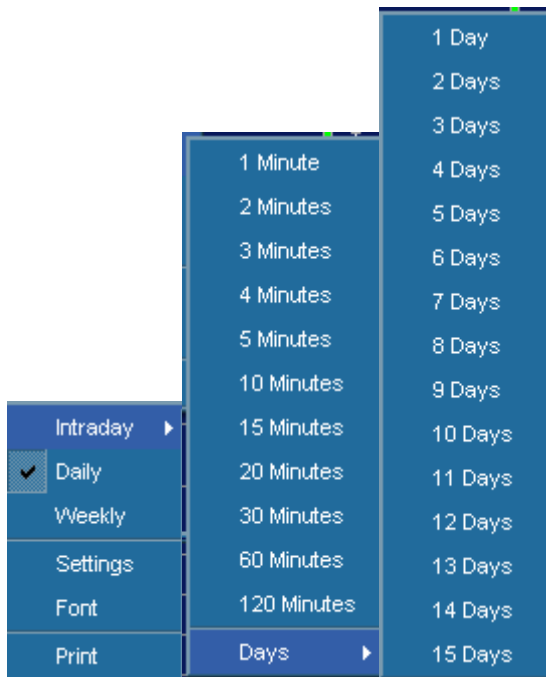


Figure 3.8

- **Changing Color:** position the mouse pointer over the support line until a 2-arrow pointer appears. Right-click and select "Color" from the pop-up menu. Choose the desired color from the custom color box and click [OK].
- **Deleting Support Lines:** position the mouse pointer over the support line until a 2-arrow pointer appears. Right-click and select "Delete" from the pop-up menu to delete the selected line. Or select "Delete All" from the pop-up menu to delete

ALL of the support lines on the selected chart (other charts will not be affected). Support lines placed within a chart box are displayed on all three of the chart types within that box. Support lines placed on a Daily chart WILL show up on the Weekly and Intra-day chart in the same Chart box. When the maximum of three support lines is reached, adding a fourth support line will automatically delete the first.

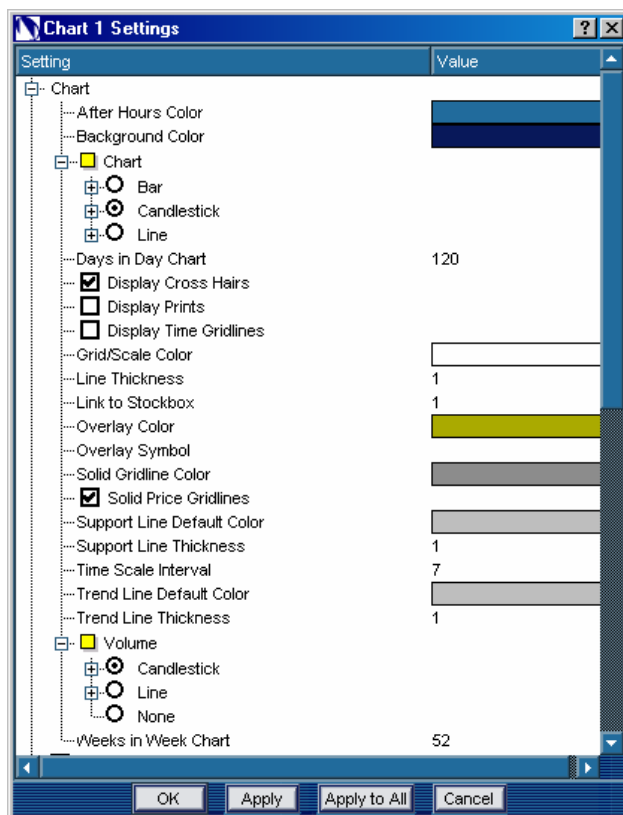
3.3 Basic Chart Settings Figure 3.9



Each DDXtra chart can have its own unique settings and parameters. Right-click within a chart to configure the Interval and/or Duration settings, or to select the Chart Settings window that corresponds to the selected chart. As shown in the figure, switching between Intra-day, Daily, and Weekly presentations are accomplished within the right-click menu. Additionally, the specific intervals in an Intra-day chart are selected from the Intra-day sub-menu, as are the number of days (1 to 15) that the minute chart will cover. When any of these menu choices are selected, the chart is instantly refreshed to the new settings.

Choose “Settings” from the right-click menu to display the Chart Settings dialog box. The first section in this Window is labeled “Chart” and controls all of the basic chart characteristics except for studies’ parameters. Each element controls chart behavior as follows:

Figure 3.10



- **After Hours Color:** sets the background color for chart data, which occurs outside of normal market hours.
- **Background Color:** set the background color for chart activity during standard market hours.
- **Chart:** Select the charting graph style. Select the display type for price data within the main chart area. Expand any of these three selection so (via the “+” button) to reveal further choices to control the display variables for each type of chart:
 - **Width:** sets the width of the interval in terms of horizontal pixels.
 - **Color:** select a custom color for a bar or line element.
 - **“Use Up/Down Colors”:** DDXtra will paint the chart bars/lines in the standard Up and Down price colors (green and red by default), based on a comparison of the Open and Close prices for the interval, indicating whether the interval was up or down.
- **Days in Day Chart:** the total number of days to display when Daily is selected for

the chart interval via the right-click menu.

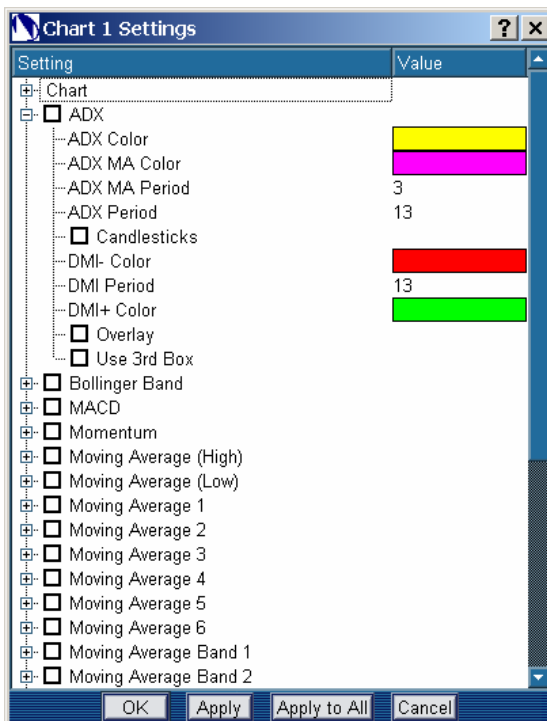
- **Display Cross Hairs:** check this box so display persistent cross hairs whenever the mouse pointer hovers over the chart.
- **Display Prints:** Adds a Print Box to the chart box. (See figure 3.4)
- **Display Time Gridlines:** Adds vertical gridlines to all hours. (See figure 3.4)
- **Grid/Scale Color:** select a custom color for grid lines and scale label font.
- **Line Thickness:** set the width of the line used to draw a line chart (has no effect in Bar or Candlestick charts).
- **Link to Option Box:** by default, each chart is linked to the Option Box of the corresponding number. This link allows the chart to update automatically when the symbol changes in the corresponding option box. To change the linkage enter the Option Box number to which the chart should be linked – or enter a 0 (zero) if the chart should be independent of any linkages
- **Link to Stock Box:** by default, each chart is linked to the Stock Box of the corresponding number. This link allows the chart to update automatically when the symbol changes in the corresponding stock box. To change the linkage enter the Stock Box number to which the chart should be linked – or enter a 0 (zero) if the chart should be independent of any linkages.
- **Overlay Color:** when an overlay symbol is added to the chart, its line and price scale will appear in this color.
- **Overlay Symbol:** type the symbol to be overlaid on the chart.
- **Solid Gridline Color:** Color of all solid gridlines. If you wish you can select a custom color for the solid gridlines.
- **Solid Price Gridline:** Will toggle between solid gridlines and dotted ones.
- **Support Line Default Color:** define the default color for a horizontal line placed at a specific price point.
- **Support Line Thickness:** specifies the thickness of a support line.

- **Time Scale Interval:** this parameter determines how tight or wide the spacing is between the time scale values on the horizontal axis. A smaller number will condense the time periods into a smaller width, and a larger number will spread them out.
- **Trend Line Default Color:** define the initial default color for a user-defined trend line.
- **Trend Line Thickness:** specifies the thickness of a user-defined trend line. The Time Scale Interval may also be adjusted “on the fly” without using the settings dialog box. To change the horizontal scale of an active chart, place the mouse icon directly in the time scale area, and then click and drag to the left to condense the spacing, or click and drag to the right to expand the spacing. The Scale Interval number in the settings window will be set automatically.
- **Volume:** select whether to display volume as a Bar or Line graph, and choose the colors and widths as desired. Or select “None” to hide the volume section of the chart completely.
 - **Color:** select a custom color for a bar or line element.
 - **Width:** sets the width of the interval in terms of horizontal pixels.
 - **“Use Up/Down Colors”:** DDXtra will paint the chart bars/lines in the standard Up and Down price colors (green and red by default), based on a comparison of the Open and Close prices for the interval, indicating whether the interval was up or down.
- **Weeks in Week Chart:** the total number of weeks to display when weekly is selected for the chart interval via the right-click menu.

3.4 Studies

3.4.1 ADX

Figure 3.11



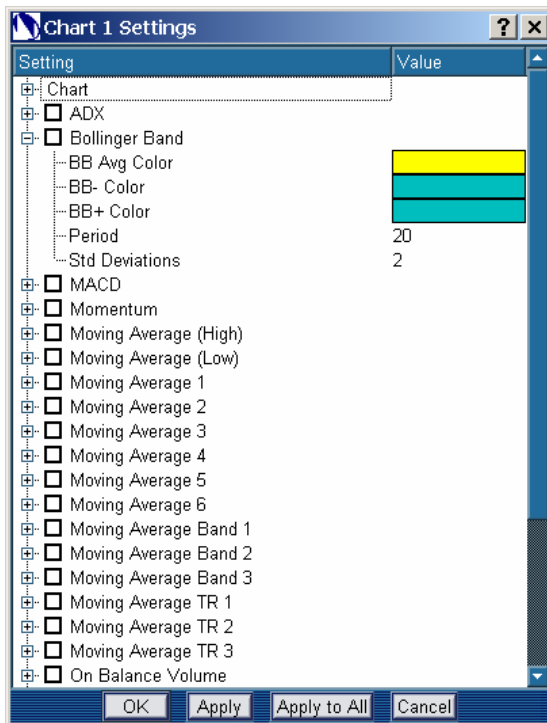
To activate the ADX study:

- Check the box next to the study title.
- Expand the study (click the “+”) to set the specific parameters.
- Choose the colors for the Four lines (ADX, ADX MA, DMI-, and DMI+)
- Choose the number of intervals for ADX Period and DMI Period.
- Select the “Overlay” option to display the study lines within the area as the pricing data, or leave this clear to display the study below the chart with a separate vertical scale.
- Choose 3rd Box to display the study below the 2nd Box with a separate vertical scale.

Note: The 3rd and 2nd Boxes have their own vertical scale. But the vertical scale will be used for any study within that box. To insure proper display of a study do not combine studies with vertical scales a large contrast in scale size. If a study is added to another with a large contrast in scale size the smaller of the two studies will appear as a straight line.

3.4.2 Bollinger Band

Figure 3.12

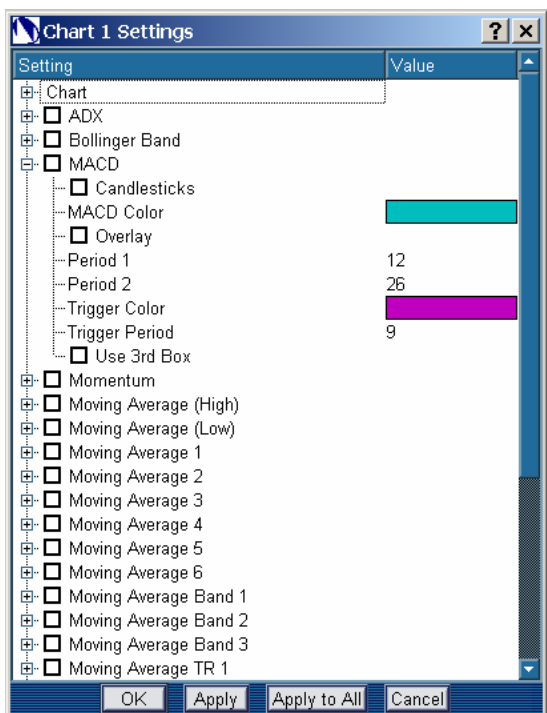


To activate the Bollinger Band study:

- Check the box next to the study title.
- Expand the study (click the “+”) to set the specific parameters.
- Choose the colors for the three lines (BB Avg., BB-, and BB+)
- Choose the number of intervals for the BB Period and the number of Standard Deviations.
- The Bollinger Band is always displayed as an overlay.

3.4.3 MACD

Figure 3.13



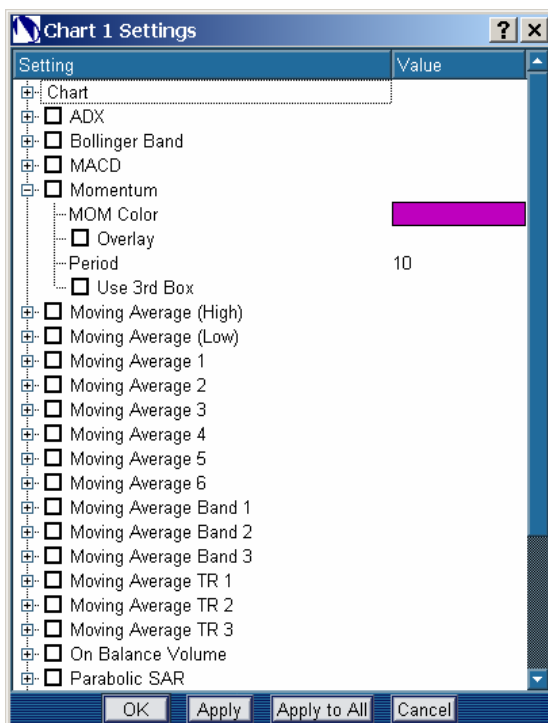
To activate the MACD study:

- Check the box next to the study title.
- Expand the study (click the “+”) to set the specific parameters.
- Choose to view MACD in Line or Candlestick form
- Choose the colors for the two lines (MACD, and Trigger)
- Choose the number of intervals for Period 1, Period 2, and Trigger Period.
- Select the “Overlay” option to display the study lines within the area as the pricing data, or leave this clear to display the study below the chart with a separate vertical scale.
- Choose 3rd Box to display the study below the 2nd Box with a separate vertical scale.

Note: The 3rd and 2nd Boxes have their own vertical scale. But the vertical scale will be used for any study within that box. To insure proper display of a study do not combine studies with vertical scales a large contrast in scale size. If a study is added to another with a large

contrast in scale size the smaller of the two studies will appear as a straight line.

3.4.4 Momentum (MOM) Figure 3.14

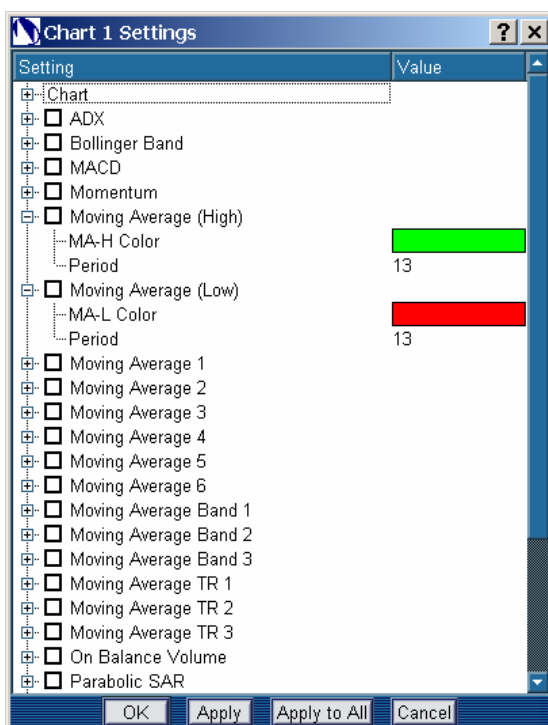


To activate the Momentum Study:

- Check the box next to the study title.
- Expand the study (click the “+”) to set the specific parameters.
- Choose the color for the line.
- Choose the number of intervals for the Momentum Period.
- Select the “Overlay” option to display the study lines within the area as the pricing data, or leave this clear to display the study below the chart with a separate vertical scale.
- Choose 3rd Box to display the study below the 2nd Box with a separate vertical scale.

Note: The 3rd and 2nd Boxes have their own vertical scale. But the vertical scale will be used for any study within that box. To insure proper display of a study do not combine studies with vertical scales a large contrast in scale size. If a study is added to another with a large contrast in scale size the smaller of the two studies will appear as a straight line.

3.4.5 Moving Averages High/Low Figure 3.15

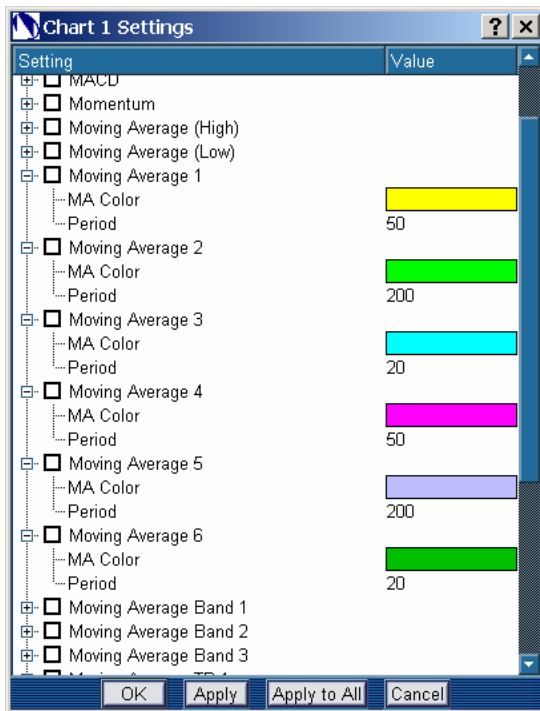


To activate the Moving Average High/Low studies:

- Check the box next to the study titles.
- Expand the studies (click the “+”) to set the specific parameters.
- Choose the colors for the lines.
- Choose the number of intervals for the Period.
- Moving Averages are always overlaid, so the “Overlay” option is not available.

3.4.6 Moving Averages

Figure 3.16

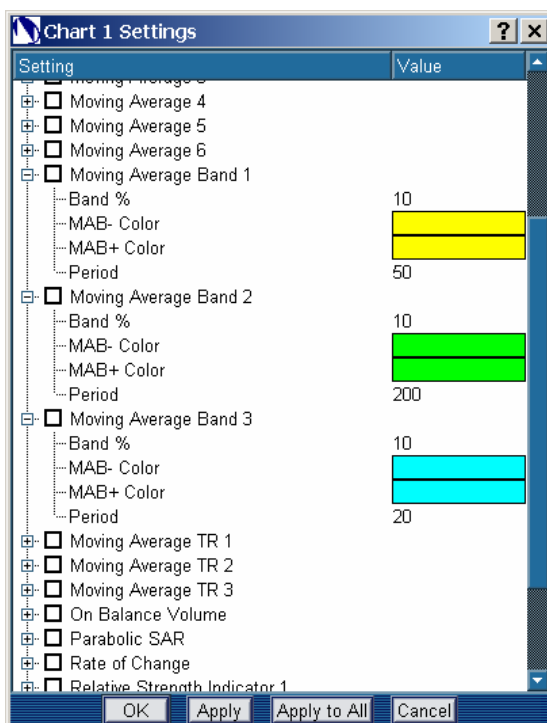


To activate the Moving Average studies:

- Check the box next to the study titles.
- Expand the studies (click the “+”) to set the specific parameters.
- Choose the colors for the lines.
- Choose the number of intervals for the MA Period.
- Moving Averages are always overlaid, so the “Overlay” option is not available.

3.4.7 Moving Averages Bands

Figure 3.17

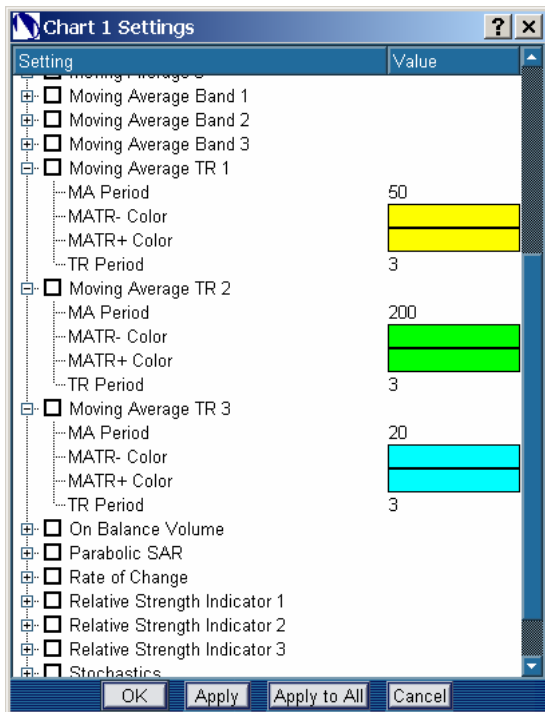


To activate the Moving Averages Bands studies:

- Check the box next to the study titles.
- Expand the studies (click the “+”) to set the specific parameters.
- Choose the colors for the MAB- and MAB+ lines.
- Choose the number of intervals for the Period.
- Moving Averages are always overlaid, so the “Overlay” option is not available.

3.4.8 Moving Averages TR

Figure 3.18

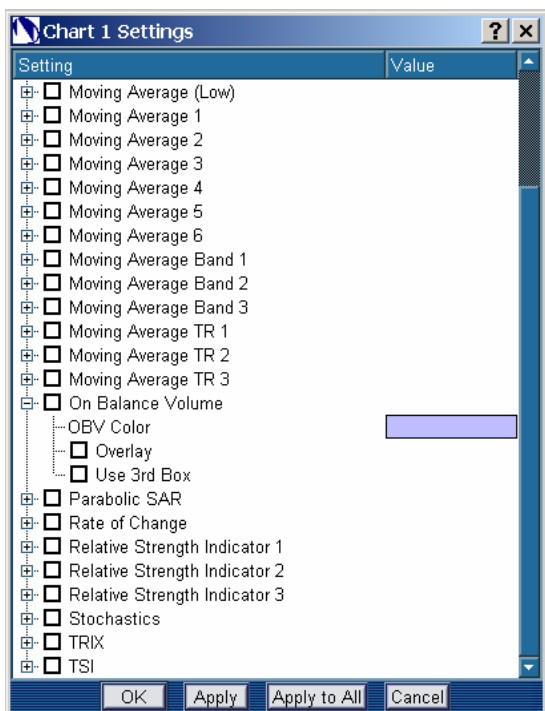


To activate the Moving Averages TR studies:

- Check the box next to the study titles.
- Expand the studies (click the “+”) to set the specific parameters.
- Choose the colors for the MATR- and MATR+ lines.
- Choose the number of intervals for the Period.
- Moving Averages are always overlaid, so the “Overlay” option is not available.

3.4.9 On Balance Volume

Figure 3.19



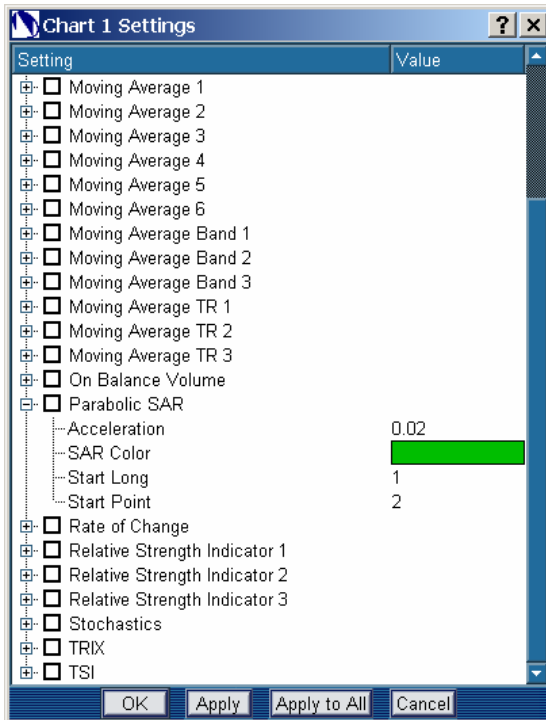
To activate the On Balance Volume studies:

- Check the box next to the study titles.
- Expand the studies (click the “+”) to set the specific parameters.
- Choose the color for the On Balance Volume line.
- Select the “Overlay” option to display the study lines within the area as the pricing data, or leave this clear to display the study below the chart with a separate vertical scale.
- Choose 3rd Box to display the study below the 2nd Box with a separate vertical scale.

Note: The 3rd and 2nd Boxes have their own vertical scale. But the vertical scale will be used for any study within that box. To insure proper display of a study do not combine studies with vertical scales a large contrast in scale size. If a study is added to another with a large contrast in scale size the smaller of the two studies will appear as a straight line.

3.4.10 Parabolic SAR

Figure 3.20

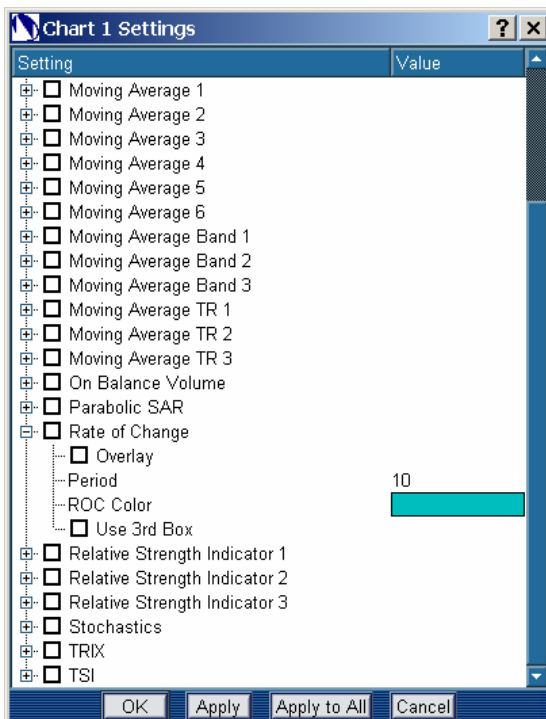


To activate the Parabolic SAR studies:

- Check the box next to the study titles.
- Expand the studies (click the “+”) to set the specific parameters.
- Choose the number for the Acceleration.
- Choose the color for the Parabolic SAR line.
- Choose Start Long value.
- Choose Start Point value.
- Parabolic SAR is always overlaid, so the “Overlay” option is not available.

3.4.11 Rate of Change (ROC)

Figure 3.21



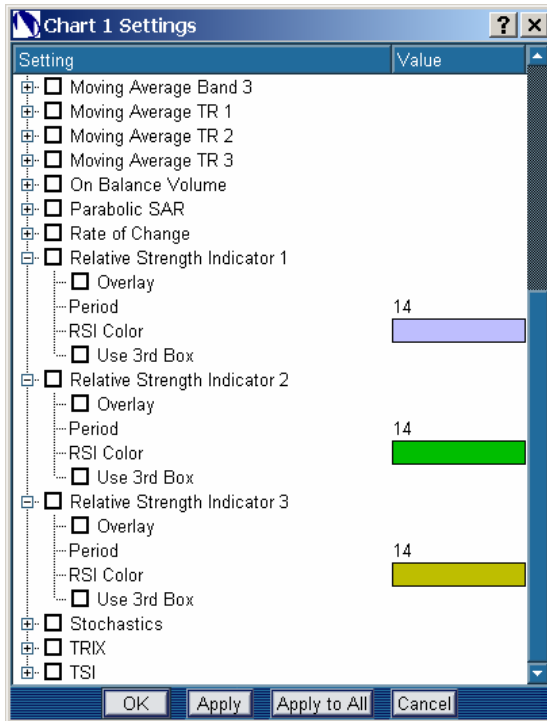
To activate the ROC study:

- Check the box next to the study title.
- Expand the study (click the “+”) to set the specific parameters.
- Choose the colors for the ROC line.
- Choose the number of intervals for the ROC Period.
- Select the “Overlay” option to display the study lines within the area as the pricing data, or leave this clear to display the study below the chart with a separate vertical scale.
- Choose 3rd Box to display the study below the 2nd Box with a separate vertical scale.

Note: The 3rd and 2nd Boxes have their own vertical scale. But the vertical scale will be used for any study within that box. To insure proper display of a study do not combine studies with vertical scales a large contrast in scale size. If a study is added to another with a large contrast in scale size the smaller of the two studies will appear as a straight line.

3.4.12 Relative Strength

Figure 3.22



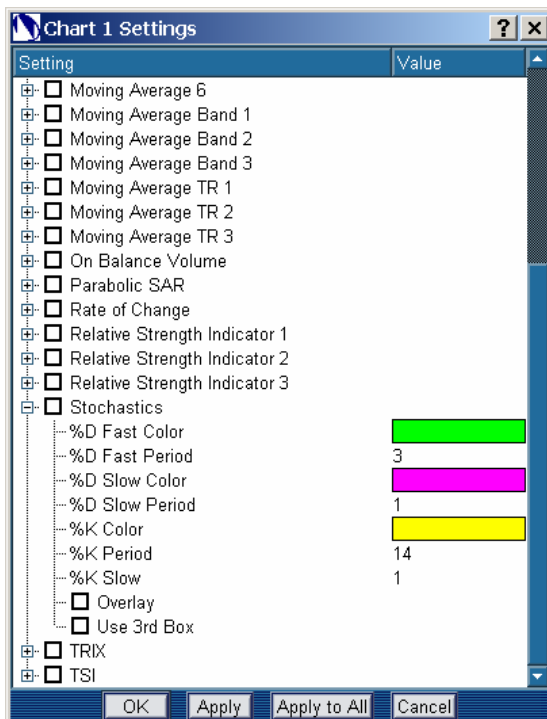
To activate the RSI studies:

- Check the box next to the study titles.
- Expand the studies (click the “+”) to set the specific parameters.
- Choose the colors for the each RSI line.
- Choose the number of intervals for the RSI Period(s).
- Select the “Overlay” option to display the study lines within the area as the pricing data, or leave this clear to display the study below the chart with a separate vertical scale.
- Choose 3rd Box to display the study below the 2nd Box with a separate vertical scale.

Note: The 3rd and 2nd Boxes have there own vertical scale. But the vertical scale will be used for any study within that box. To insure proper display of a study do not combine studies with vertical scales a large contrast in scale size. If a study is added to another with a lard contrast in scale size the smaller of the two studies will appear as a straight line.

3.4.13 Stochastic

Figure 3.23



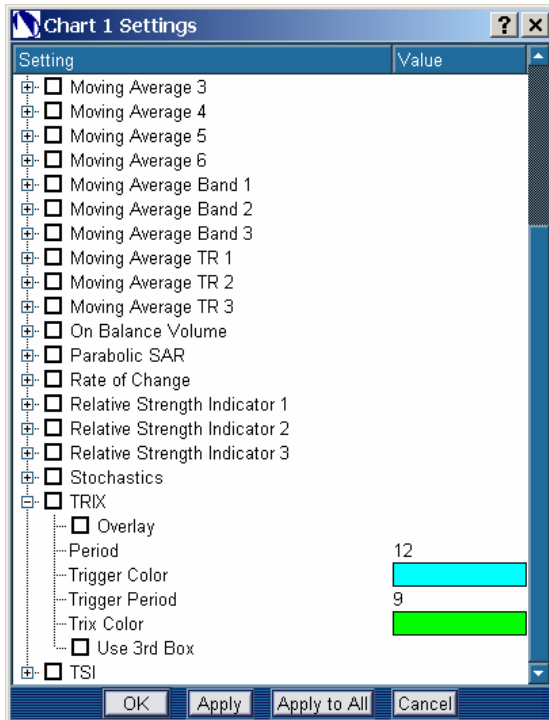
To activate the Stochastic study:

- Check the box next to the study title.
- Expand the study (click the “+”) to set the specific parameters.
- Choose the colors for the three lines (%D Fast, %D Slow, and %K)
- Choose the number of intervals for the %D Fast Period, %D Slow Period, %K Period, and %K Slow period.
- Select the “Overlay” option to display the study lines within the area as the pricing data, or leave this clear to display the study below the chart with a separate vertical scale.
- Choose 3rd Box to display the study below the 2nd Box with a separate vertical scale.

Note: The 3rd and 2nd Boxes have there own vertical scale. But the vertical scale will be used for any study within that box. To insure proper display of a study do not combine studies with vertical scales a large contrast in scale size. If a study is added to another with a lard contrast in scale size the smaller of the two studies will appear as a straight line.

3.4.14 TRIX

Figure 3.24



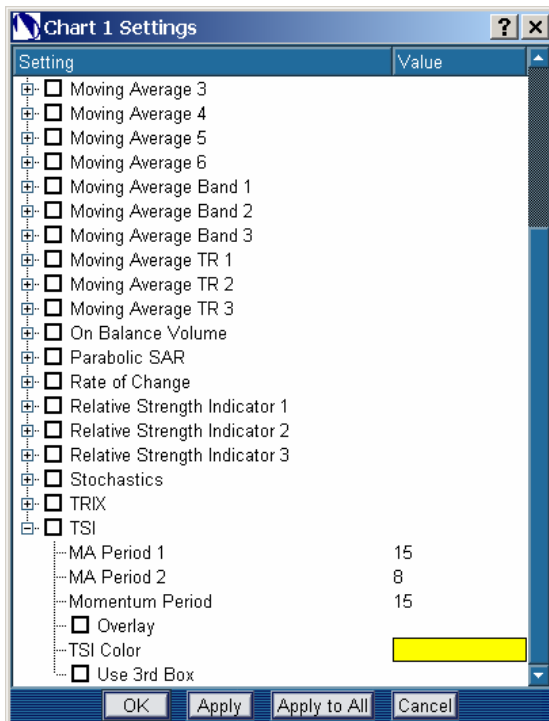
To activate the TRIX study:

- Check the box next to the study title.
- Expand the study (click the “+”) to set the specific parameters.
- Choose the colors for the two lines (TRIX, and Trigger)
- Choose the number of intervals for the TRIX Period and Trigger Period.
- Select the “Overlay” option to display the study lines within the area as the pricing data, or leave this clear to display the study below the chart with a separate vertical scale.
- Choose 3rd Box to display the study below the 2nd Box with a separate vertical scale.

Note: The 3rd and 2nd Boxes have there own vertical scale. But the vertical scale will be used for any study within that box. To insure proper display of a study do not combine studies with vertical scales a large contrast in scale size. If a study is added to another with a lard contrast in scale size the smaller of the two studies will appear as a straight line.

3.4.15 TSI

Figure 3.25



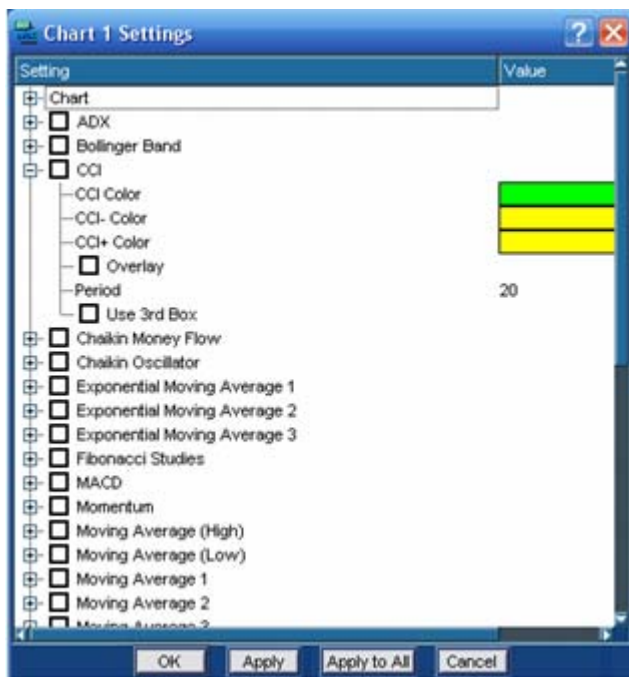
To activate the True Strength Indicator (TSI) study:

- Check the box next to the study title.
- Expand the study (click the “+”) to set the specific parameters.
- Choose the color for the TSI line
- Choose the number of intervals for MA Period 1, MA Period 2, and the Momentum Period.
- Select the “Overlay” option to display the study lines within the area as the pricing data, or leave this clear to display the study below the chart with a separate vertical scale.
- Choose 3rd Box to display the study below the 2nd Box with a separate vertical scale.

Note: The 3rd and 2nd Boxes have there own vertical scale. But the vertical scale will be used for any study within that box. To insure proper display of a study do not combine studies with vertical scales a large contrast in scale size. If a study is added to another with a lard contrast in scale size the smaller of the two studies will appear as a straight line.

3.4.16 CCI

Figure 3.26

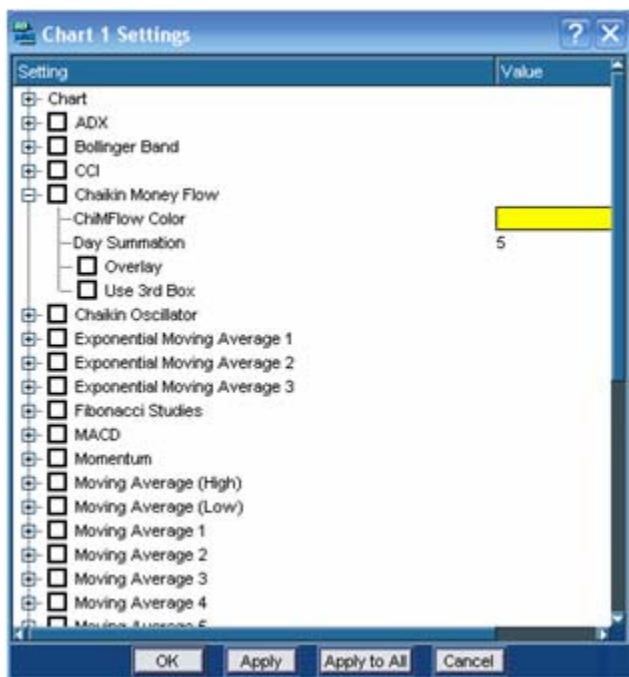


To activate the CCI study:

- Check the box next to the study title.
- Expand the study (click the “+”) to set the specific parameters.
- Choose the colors for the CCI, CCI+ and CCI-
- Select the “Overlay” option to display the study lines within the area as the pricing data, or leave this clear to display the study below the chart with a separate vertical scale.
- Choose 3rd Box to display the study below the 2nd Box with a separate vertical scale.

3.4.17 Chaikin Money Flow

Figure 3.27

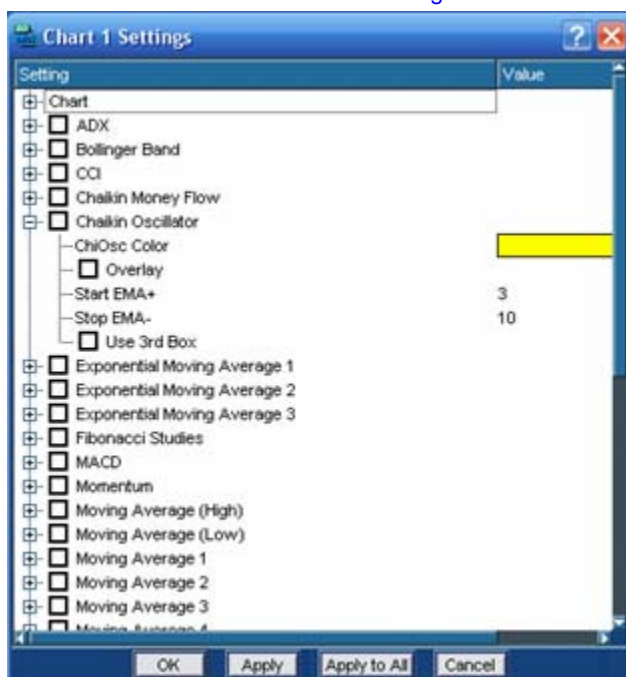


To activate the Chaikin Money Flow study:

- Check the box next to the study title.
- Expand the study (click the “+”) to set the specific parameters.
- Select color
- Select period
- Select the “Overlay” option to display the study lines within the area as the pricing data, or leave this clear to display the study below the chart with a separate vertical scale.
- Choose 3rd Box to display the study below the 2nd Box with a separate vertical scale.

3.4.18 Chaikin Oscillator

Figure 3.28

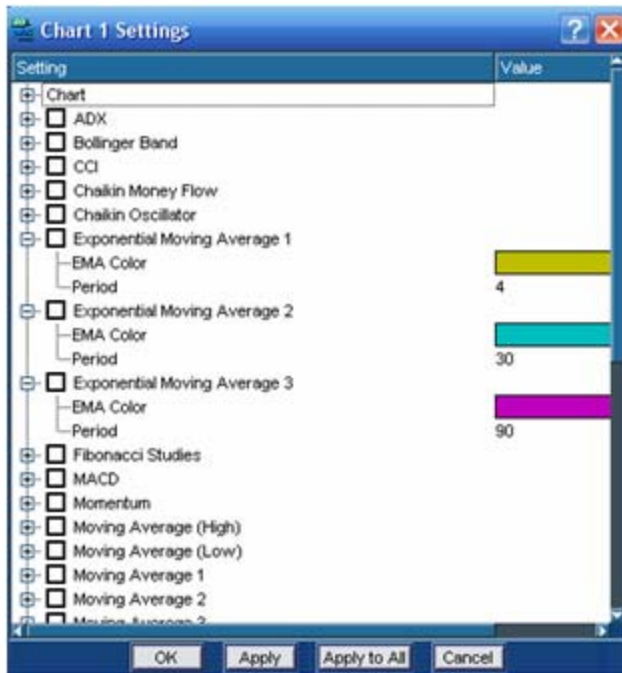


To activate the Chaikin Oscillator :

- Check the box next to the study title.
- Expand the study (click the "+") to set the specific parameters.
- Choose the color
- Select the "Overlay" option to display the study lines within the area as the pricing data, or leave this clear to display the study below the chart with a separate vertical scale.
- Choose 3rd Box to display the study below the 2nd Box with a separate vertical scale.

3.4.19 Exponential Moving Averages

Figure 3.29

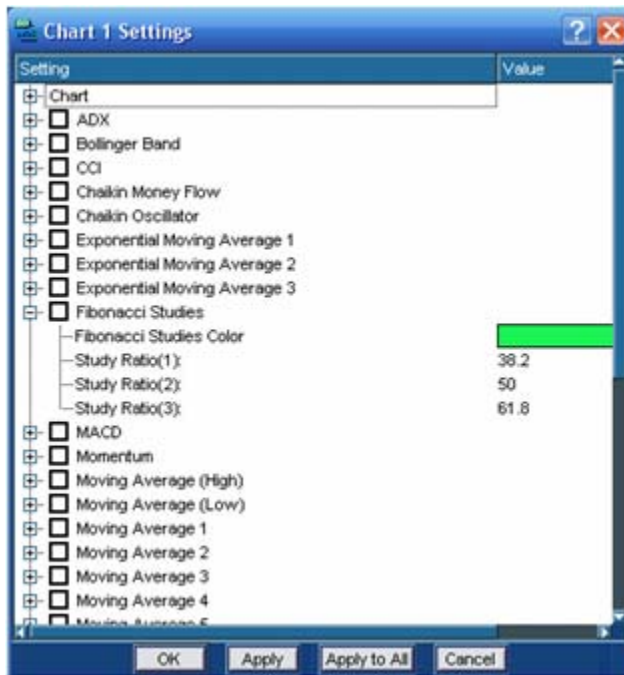


To activate the Exponential Moving Averages (1, 2 or 3) :

- Check the box next to the study title (EMA 1, 2 , 3).
- Expand the study (click the "+") to set the specific parameters.
- Choose the EMA color
- Select the period desired

3.4.20 Fibonacci Studies

Figure 3.30



To activate the Fibonacci Studies:

- Check the box next to the study title
- Expand the study (click the “+”) to set the specific parameters.
- Choose the color
- Select the study ratios

4.0 Quotes

4.1 Stock Boxes

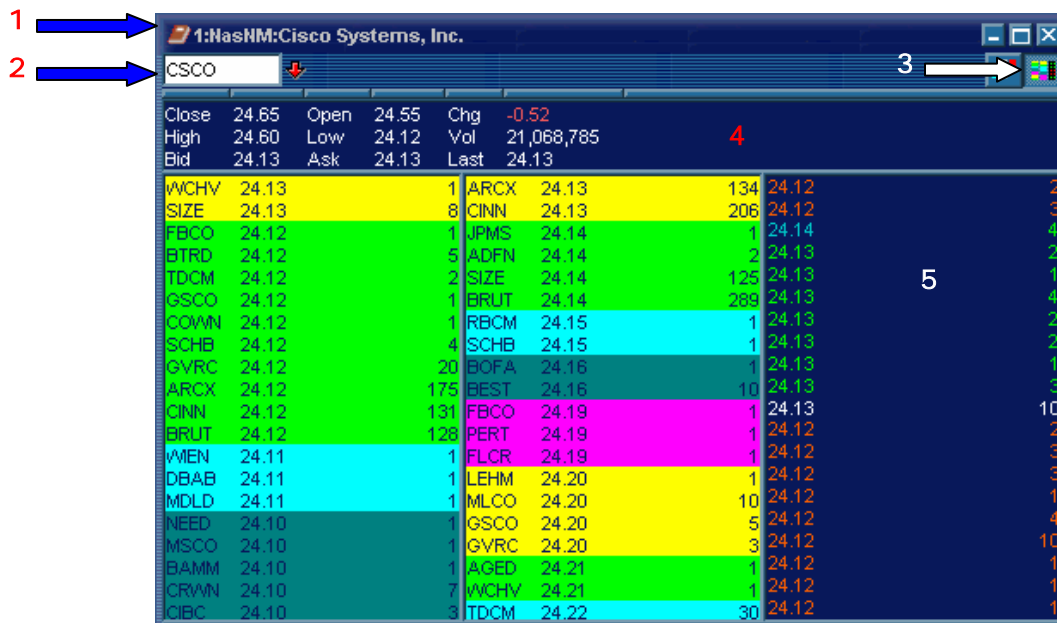


Figure 4.1

1. **Header:** with the company name in the title bar
2. **Symbol:** the text field in the upper right. A symbol can be typed in, or can be dragged and dropped from other modules.
3. **Level 2, Level 1 ¾ or Market By Price Quote Data:** Self explanatory
4. **Level 1 Quote Data:** Self explanatory
5. **Print Box:** Prints from the market.

4.1.1 Entering a Symbol

There are four ways to enter a symbol into a Stock Box:

- Type the symbol into the desired stock box and hit [ENTER].
- Drag and Drop a symbol from another module (Market View, Index View, Account Box, Symbol Lookup, etc.) into a stock box.
- Double-click on a symbol in another module to populate the symbol into the last active Stock Box.

Once a valid equity or futures symbol is entered, the quote data will almost instantly appear, and Time & Sales “prints” will begin to appear as transactions for the stock are executed. Additionally, the title bar of the Stock Box will display the Stock Box Number, followed by the Market where the symbol trades, and the company name.

4.1.2 Level I Data

Figure 4.2

CSCO					
Close	24.65	Open	24.55	Chg	-0.52
High	24.60	Low	24.12	Vol	21,068,785
Bid	24.13	Ask	24.13	Last	24.13

The upper portion of the Stock Box contains basic Level I quote data. To the right of the Symbol field is the Tick Indicator. The nine values in the Level I section are statically positioned; they can neither be turned on or off, nor resorted.

- **To re-size the columns:** Right-click in this section and select “Smart Width” to automatically size the columns according to the data in each. Alternatively, hover over the indentations in the header bar just above the columns until the double-arrow pointer icon appears. Then click and drag the column border to the position desired.
- **Explanation of data fields:**
 - **Close:** previous day’s closing price – the last official print during market hours (post-market trading is not included).
 - **Open:** today’s opening price – the first official print at the open of market hours (pre-market trading is not included).
 - **Chg:** the change in price. By default this is calculated by comparing the “Last” price to the “Close”. However, the “Chg” calculation can be set to compare “Last” against the “Open” price in the Setup Utility (see section 2.3).
 - **High:** the highest intra-day price (extended hours trading is not included).
 - **Low:** the lowest intra-day price (extended hours trading is not included).
 - **Vol:** the volume of share traded in this symbol (this does typically include extended hours trading)
 - **Bid:** the current Best Bid.
 - **Ask:** the current Best Ask.
 - **Last:** the most recent price to print in Time & Sales.

4.1.3 Level II, Level 1 ¾ and Market By Price Data

WCHV	24.13	1	ARCX	24.13	134
SIZE	24.13	8	CINN	24.13	206
FBCO	24.12	1	JPMS	24.14	1
BTRD	24.12	5	ADFN	24.14	2
TDCM	24.12	2	SIZE	24.14	125
GSCO	24.12	1	BRUT	24.14	289
COWN	24.12	1	RBCM	24.15	1
SCHB	24.12	4	SCHB	24.15	1
GVRC	24.12	20	BOFA	24.16	1
ARCX	24.12	175	BEST	24.16	10
CINN	24.12	131	FBCO	24.19	1
BRUT	24.12	128	PERT	24.19	1
WIEN	24.11	1	FLOR	24.19	1
DBAB	24.11	1	LEHM	24.20	1
MDLD	24.11	1	MLCO	24.20	10
NEED	24.10	1	GSCO	24.20	5
MSCO	24.10	1	GVRC	24.20	3
BAMM	24.10	1	AGED	24.21	1
CRVN	24.10	7	WCHV	24.21	1
CIBC	24.10	3	TDCM	24.22	30

Unlike Level I quotes, which show only the single current transaction price, Level II quotes show all current parties (Market Makers and ECN’s for NASDAQ stocks, or the various exchanges for NYSE stocks) participating in the buying and selling of a stock, and the various price levels at which they are offering to buy or sell. Market By Price data will show the total of the current orders for each price. Per United States exchange conventions, the Bids are shown in the left column, and the Asks on the right. Each price level is indicated by a color stripe within each column. The colors do not mean anything in an objective sense, but serve only to differentiate the price levels as the market moves. Color preferences and decimal place settings can be set via the

Figure 4.3

Setup Utility, under “Quotes”, as can the convention of dividing the share size by 100.

4.1.4 Time & Sales Prints



Figure 4.4

Every completed transaction for the selected equity or futures symbol will appear in the “Time & Sales” window to the right of the Level II “Ask” column. In order for the prints to convey useful information they are color-coded at the instant of the print as it relates to the Bid and Ask prices at that moment. The color used for each type of print is described below, and can be customized via the “Colors” section in the Setup Utility.

The default print colors denote the following:

- **Green:** transaction price is at the Ask.
 - **Red:** transaction price is at the Bid.
 - **White:** transaction price between the Bid and Ask.
 - **Purple:** transaction price is below Bid.
 - **Gold:** transaction price above Ask.
- **Teal (Cyan):** the transaction print occurs in a “Crossed” or “Locked” market. A “Crossed” market indicates that the best Bid price is greater than the best Ask price, while “Locked” denotes that the best Bid and Ask prices are the same.
 - **Royal Blue:** the relationship between the transaction price and the Bid/Ask levels are unknown.

It is important to note that the color of the print is relative to the Bid and Ask price levels, which are changing constantly. Therefore, multiple prints of the same color can easily be at different prices. If all the prints are red and/or purple, chances are the price of the prints is gradually decreasing. Conversely, if all the prints are green and/or yellow, the price is probably increasing. If the colors are equally mixed, the prices are probably not moving very much as buy and sell pressure are roughly the same.

The Up/Down Tick Indicator in the Level I quote display changes in accordance with the Level II quotes and the rules of determining up-tick and downtick varies with each market.

For the NSYE and AMEX, an up-tick is determined by the last transaction print. If the last print is at or above the best ask, then the stock is in an up tick. If the last print is at or below the best bid then, the stock is in a down tick. Any print in between the best asks and best bid will leave the stock tick unchanged.

For NASDAQ securities, an up tick is created when the best bid is increased. A down trend is present when the best bid is lower than the last best bid.

4.2 Option Boxes



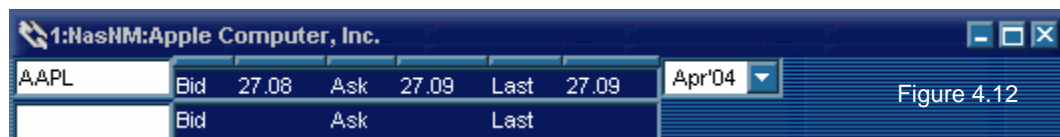
Option Box Interface:

Figure 4.11

- A. **Underlying Symbol:** Symbol for the underlying stock
- B. **Option Strike Month:** Month of expiration on contracts being traded.
- C. **Option Symbol:** Symbol of Option you wish to trade.
- D. **Tabs:** Activity Tabs to switch between Calls Puts and Option Montage.
- E. **Columns:** Quote Data Columns
- F. **Option Chains:** Chain for the symbol in the underlying symbol box for the month chosen.

4.2.1 Option Box Basics

The DDXtra Option Box presents detailed real-time option chains in an easy-to-use format.



As seen in the figure above, the Option Box consists of a header area with Level I quote information of the underlying stock and a if a option is chosen the level I quote for the option symbol, and a drop down to chose the strike month for the option montage below.

The Option Box Header contains two symbol fields in the upper left corner – one for the underlying and one for the specific contract. By entering the underlying symbol in the first field (“AAPL” in the figure above), the corresponding option chain will be displayed in the tabbed area below, with Call contracts on the first tab and Put contracts on the second. The Bid, Ask, and Last price for the underlying equity are also displayed to the right of the top symbol field.

Strike	Symbol	Last	Chg	Bid	Ask	Vol	Opn Int	Status	Delta	Gamma	Vega	Theta	Rho	I-Vol
Jan'18														
90.00 USD	WAAAAR	78.30	-0.45	75.25	75.90	26	1425		0.94	0.002	0.246	-0.017	1.255	36.39
100.00 USD	WAAAAT	68.85	-3.50	68.50	69.00	34	1214		0.903	0.002	0.358	-0.02	1.273	38.44
110.00 USD	WAAAAB	65.50	-0.30	62.25	62.85	33	1432		0.861	0.003	0.459	-0.024	1.267	40.10
120.00 USD	WAAAAD	56.82	-2.46	56.45	57.00	55	4019		0.82	0.003	0.544	-0.027	1.258	40.79
130.00 USD	WAAAAD	51.72	-2.13	51.10	51.95	75	6106		0.778	0.003	0.618	-0.028	1.229	41.76
140.00 USD	WAAAAD	46.15	-2.35	46.20	47.10	33	3202		0.736	0.004	0.679	-0.031	1.20	42.11
150.00 USD	WAAAAD	42.10	-2.40	41.80	42.50	76	5082		0.694	0.004	0.728	-0.033	1.166	42.11
160.00 USD	WAAAAL	37.80	-2.30	37.70	38.20	138	3629		0.652	0.004	0.767	-0.034	1.127	41.94
170.00 USD	WAAAAN	34.65	-1.45	34.10	34.65	15	2888		0.612	0.004	0.796	-0.034	1.079	42.22
180.00 USD	WAAAAP	30.80	-1.60	30.70	31.30	21	2412		0.573	0.004	0.815	-0.035	1.03	42.27
190.00 USD	WAAAAP	27.70	-1.80	27.65	28.20	25	2481		0.535	0.005	0.825	-0.034	0.979	42.23
200.00 USD	WAAAAA	25.70	-1.00	25.05	25.60	102	6041		0.499	0.005	0.829	-0.034	0.928	42.41
210.00 USD	WAAAAV	22.80	-1.75	22.50	23.05	3	1692		0.465	0.005	0.825	-0.034	0.876	42.33
220.00 USD	WAAAAX	20.25	-1.85	20.30	21.10	2	11830		0.434	0.004	0.817	-0.033	0.827	42.67
230.00 USD	WAAAAV	19.30	-1.25	18.30	18.80	161	1310		0.401	0.004	0.803	-0.032	0.776	42.31
240.00 USD	WAAAAC	16.50	-2.00	16.45	17.25	1	1100		0.375	0.004	0.787	-0.032	0.731	42.63
250.00 USD	WAAAAE	15.00	-1.50	14.90	15.40	23	3374		0.345	0.004	0.765	-0.03	0.682	42.34
260.00 USD	WAAAAG	13.50	-1.10	13.45	14.10	3	1407		0.322	0.004	0.745	-0.029	0.641	42.56
270.00 USD	WAAAAI	13.40	-0.10	12.10	12.50	15	1232		0.295	0.004	0.717	-0.028	0.594	42.17
280.00 USD	WAAAAK	11.80		10.85	11.40		1246		0.274	0.004	0.692	-0.027	0.556	42.28
290.00 USD	WAAAAM	10.10		9.80	10.30		1171		0.253	0.004	0.664	-0.026	0.518	42.22
300.00 USD	WAAAAO	9.20	-0.70	9.00	9.20	2	4817		0.232	0.003	0.634	-0.024	0.479	41.99
310.00 USD	WAAAAQ	9.00		7.95	8.25		897		0.213	0.003	0.604	-0.023	0.443	41.83
320.00 USD	WAAAAQ	8.05	-0.60	7.20	7.45	5	809		0.196	0.003	0.575	-0.022	0.411	41.77
330.00 USD	WAAAAA	7.61		6.55	6.80		1174		0.182	0.003	0.549	-0.021	0.383	41.84
340.00 USD	WAAAAW	6.25	-0.50	6.00	6.25	99	6563		0.17	0.003	0.525	-0.02	0.358	41.98

Click on one of the Calls or Puts in order to load the contract symbol in the second field and activate the corresponding quote feed. This will populate the Bid, Ask and Last prices for the contract in the Level I area to the right of the contract symbol, will make the depth of book data visible in the Montage on the third tab, and place the option symbol in the Order execution box for you to trade.

In order to place an options order, or use the montage feature, a specific contract (Call or Put) MUST be selected and visible in the second symbol field.

The Contract Month drop-down is visible in the top right corner of the Option Box. This field allows a specific month to be selected, beginning with the current month, for which the option chain will be displayed. Or choose "ALL" from the drop-down to display all Option Chain data for all available months, organized into monthly folders.

Option menu pop-up

- **Strike:** strike price
- **Symbol:** Option Symbol.
- **Close:** previous day's closing price. The last official print during market hours
- **Open:** today's opening price. The first official print at the open of market hours.
- **Chg:** the change in price. By default this is calculated by comparing the "Last" price to the "Close". However, the "Chg" calculation can be set to compare "Last" against the "Open" price in the Setup Utility.
- **High:** the highest intra-day price.
- **Low:** the lowest intra-day price.
- **Vol:** the volume of share traded in this symbol.
- **Bid:** the current Best Bid.
- **BidQ:** the Best Bid quantity.
- **Ask:** the current Best Ask.
- **AskQ:** the Best Ask quantity
- **Last:** the most recent price to print in Time & Sales
- **% :** the change in price shown in a percentage form instead of a dollar figure. By default this is calculated by comparing the "Last" price to the "Close". However, the "Chg" calculation can be set to compare "Last" against the "Open" price in the Setup Utility.
- **Opn Int:** the total number of outstanding contracts at the end of the day.
- **The Greeks:** this data includes Delta, Gamma, Vega, Theta

4.5 Market View

Figure 4.15



Symb	Tick	Last	Chg	%	Bid	BidQ	Ask	AskQ	H
AAPL	↑	27.09	-0.74	-2.65%	27.08	300	27.09	900	
AMAT	↓	21.99	-0.34	-1.52%	21.99	56400	22.00	37500	
CSCO	↓	24.13	-0.52	-2.10%	24.13	900	24.13	34000	
DELL	↑	34.42	-0.27	-0.77%	34.42	3500	34.42	5800	
INTC	↑	27.53	-0.74	-2.61%	27.52	27100	27.53	2100	
MSFT	↓	25.58	-0.22	-0.85%	25.58	128300	25.59	37900	
ORCL	↑	12.30	-0.16	-1.28%	12.29	114900	12.30	117100	
QQQ	↓	36.69	-0.29	-0.78%	36.70	51000	36.70	10000	
SLWV	↓	4.70	-0.10	-2.08%	4.70	287000	4.71	295500	
WDC	↑	11.07	-0.35	-3.06%	11.06	15000	11.07	2400	

The DDXtra Market View module provides streaming Level I data on dozens of user-defined symbols. It allows for the symbols to be organized into manageable tabs so that market sectors or favorite traded symbols can be monitored together at a glance.

4.5.1 Adding and Deleting Symbols:

Adding symbols in the Market Viewer can be accomplished one of two ways:

- to add symbols right-click in the main body of the desired tab and choose “Add” from the pop-up menu. Type a valid symbol into the highlighted entry field, and press [ENTER] to move to the next line for entering multiple symbols.

Symb	Tick	Last	Chg	%	Bid	BidQ	Ask	AskQ	H
AAPL	↑	27.09	-0.74	-2.65%	27.08	300	27.09	900	
AMAT	↓	21.99	-0.34	-1.52%	21.99	56400	22.00	37500	
CSCO	↓	24.13	-0.52	-2.10%	24.13	900	24.13	34000	
DELL	↑	34.42	-0.27	-0.77%	34.42	3500	34.42	5800	
INTC	↑	27.53	-0.74	-2.61%	27.52	27100	27.53	2100	
MSFT	↓	25.58	-0.22	-0.85%	25.58	128300	25.59	37900	
ORCL	↑	12.30	-0.16	-1.28%	12.29	114900	12.30	117100	
QQQ	↓	36.69	-0.29	-0.78%	36.70	51000	36.70	10000	
SUNW	↓	4.70	-0.10	-2.08%	4.70	287000	4.71	295500	
VVDC	↑	11.07	-0.35	-3.06%	11.06	15000	11.07	2400	

Figure 4.16

- Or click and Highlight on an empty row below a symbol as shown above, type in the symbol then press the [ENTER] key.

Deleting symbols in the Market Viewer can be accomplished one of two ways:

- To delete a symbol right-click on the desired symbol when the menu comes up click “Delete”.

Symb	Tick	Last	Chg	%	Bid	BidQ	Ask	AskQ	H
AAPL	↑	27.09	-0.74	-2.65%	27.08	300	27.09	900	
AMAT	↓	21.99	-0.34	-1.52%	21.99	56400	22.00	37500	
CSCO	↓	24.13	-0.52	-2.10%	24.13	900	24.13	34000	
DELL	↑	34.42	-0.27	-0.77%	34.42	3500	34.42	5800	
INTC	↑	27.53	-0.74	-2.61%	27.52	27100	27.53	2100	
MSFT	↓	25.58	-0.22	-0.85%	25.58	128300	25.59	37900	
ORCL	↑	12.30	-0.16	-1.28%	12.29	114900	12.30	117100	
QQQ	↓	36.69	-0.29	-0.78%	36.70	51000	36.70	10000	
SUNW	↓	4.70	-0.10	-2.08%	4.70	287000	4.71	295500	
VVDC	↑	11.07	-0.35	-3.06%	11.06	15000	11.07	2400	

Figure 4.17

- Or click and Highlight the symbol you wish to delete as shown above, press the [Delete] Key then press the [ENTER] key

4.5.2 Pop-up Menu

Right-click in the main body of the desired tab in the Market view module to bring up the viewer's menu:

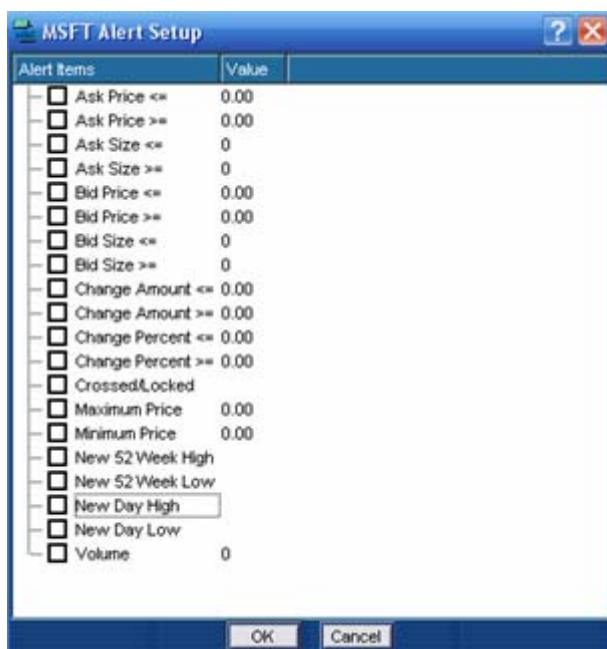
Figure 4.18



-
- **Add:** adds symbol.
- **Delete:** deletes symbol.
- **Rename:** renames symbol
- **Paste:** populates field with copied text.
- **Alert:** notification a specific event occurred on selected symbol..
- **Reset Alert:** reset alert to look for another event on selected symbol.
- **Delete Alert:** removes alert from symbol.
- **Move Up:** when sort market view is not selected symbols can be moved up.
- **Move Down:** when sort market view is not selected symbols can be moved down.
- **Insert Blank:** when sort market view is not selected a space can be made to separate grouped symbols.
- **News:**
- **News list:**
- **Columns:** the Market View right-click menu includes both a “Columns” choices and a “Smart Width” feature, which function exactly as in all other modules. Use “Columns” to determine which columns are visible and in what order, and use “Smart Width” to space the visible columns efficiently.
- **Print:** prints out Market Viewer
- **Export:** exports market view to a CSV file
- **Smart Width:** expands or reduces the columns to fit in the window. If the window is too small the columns will expand only big enough to view all data.
 - **Colors:** color settings
 - **Font:** font settings

4.5.3 Setting an Alert

Figure 4.19

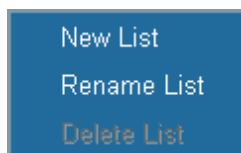


Alerts: alerts can be set on symbols in the Market View as follows:

1. Right-click on the symbol to be monitored and select "Alert".
2. In the Alert Setup box check any combination of the desired alerts
3. Click OK to save the settings and note that a red alert arrow will appear next to the symbol on which the alert has been activated.
4. When the monitored event occurs (i.e. the symbol makes a new high or new low or is crossed/locked) a detailed alert box will pop-up and a tone will sound. The symbol, which generated the alert, will flash red in the Market View window.
5. To remove and disable the alert, right-click on the symbol and select "Delete Alert".
6. To reset the alert after it is triggered, so that the symbol stops flashing and the next event can be detected, right click on the symbol and choose "Reset Alert".

Alerts will function for any selected symbol, whether the tab that contains the symbol is currently visible or not.

Tabs: Right-click in the header area of the Market View module to manage the user-defined tabs.



New List – adds a new tab to the module and asks the user to enter the tab name.

Rename List – allows the user to enter a new name for the selected tab.

Delete List – removes the specific tab and all of its contents.

The Market View tabs are each independent in their settings. Each tab may have different columns, different column orders, and different sort orders.

The Market View module limits are as follows:

Maximum Tabs = 5

Maximum Symbols per Tab = 20 (for a total of 100)

Maximum Alerts = 25 (for the entire module NOT per tab)

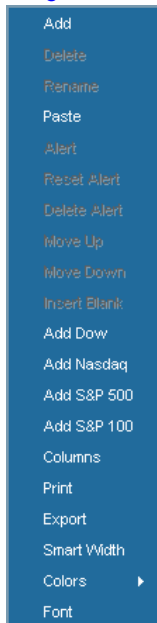
4.6 Index view

Figure 4.21

Symb	Tick	Last	Chg	%	Bid	BidQ	Ask	AskQ	High	Low	Close
^COMPX	↓	2036.58	-28.90	-1.39%	2036.58		2036.58		2073.42	2034.66	2065.48
^INDU	↑	10408.82	-106.74	-1.01%	10408.82		10408.82		10552.61	10394.13	10515.56
^OEX		553.48	-6.01	-1.07%	553.37		553.57		561.05	552.69	559.49
^SPX		1132.18	-13.02	-1.13%	1132.04		11.325		1147.81	1130.77	1145.20

The Index View module offers the same basic functionality as the Market View, but is designed so that the user may track indices separately from other market symbols.

Figure 4.22

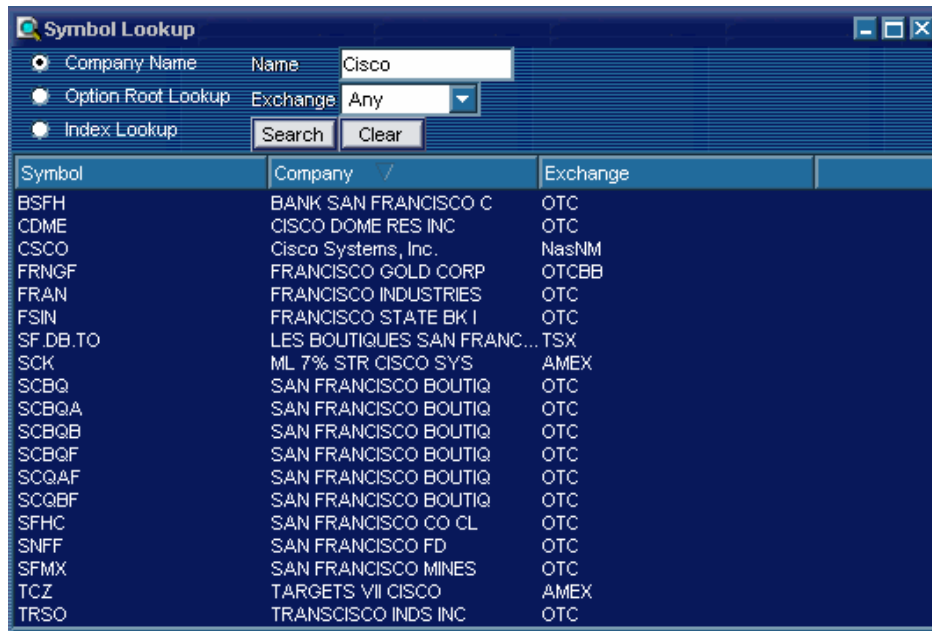


The Index View supports up to ten simultaneous symbols, but does not offer a tabbed interface like the Market View. Symbols are entered and deleted just as they are in Market View, and the column manipulation is identical as well. Alerts can also be set on the symbols in this module, and are managed through the same interface.

The right-click menu available in the Index View (shown at left) offers four Index Shortcuts. Select “Add Dow” to insert the Dow Jones Industrials symbol, “Add Nasdaq” to insert the NASDAQ Composite Index, and “Add S&P 500” or “Add S&P 100” to insert their corresponding symbols. Add any other desired symbols through the normal “Add” selection. The Index View will support valid Equity and Futures symbols as well as Index instruments.

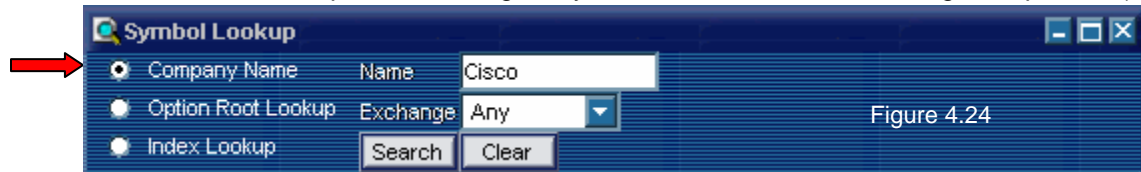
4.7 Symbol Lookup

Figure 4.23



The DDXtra Symbol Lookup allows a user to find a specific equity, index, or futures symbol by name. It also allows an option contract symbol to be entered, and returns the corresponding root equity symbol.

When the “Company Name” radio button is selected any part of the company name may be entered in the “Name” field, and a specific exchange may be selected from the “Exchange” drop-down (or it may be set to



“Any”). The search will return the top 50 symbols whose company

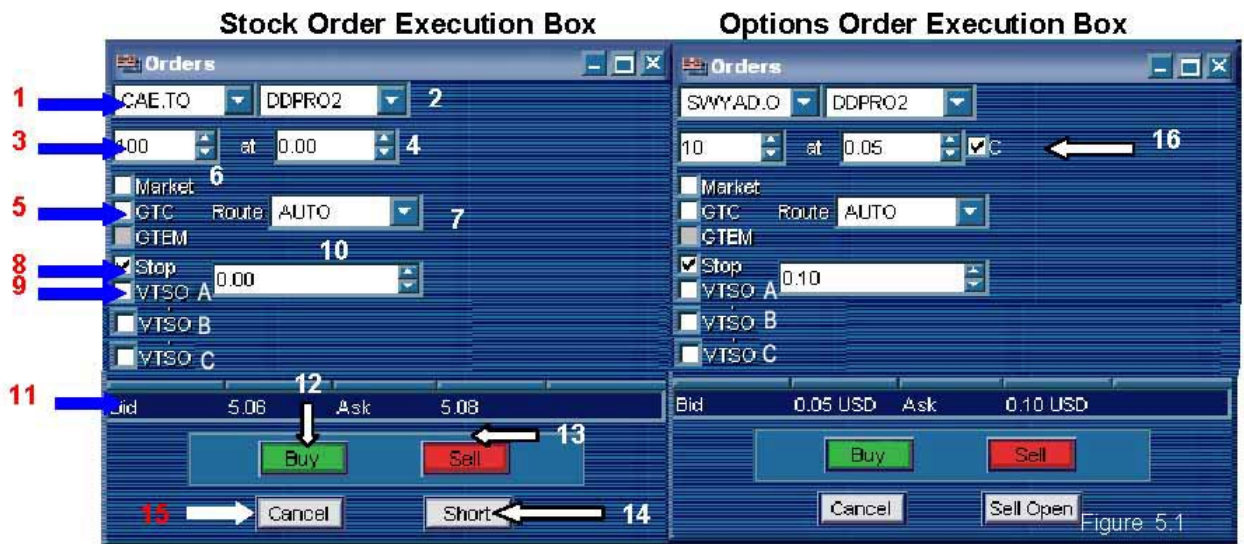
Figure 4.24

names contain the search string – use more of the company name or a specific exchange to further refine the search.

Once the desired symbol is located it can be dragged and dropped into any Stock Box, Chart, or Market View tab.

If a user knows a specific option symbol - either a call or a put - may use the Symbol Lookup to find the underlying, or “root”, equity symbol. When the “Option Root Lookup” radio button is selected, a specific options contract is entered in the “Name” field and DDXtra returns the corresponding root symbol (as shown above). The “Exchange” drop-down is disabled as it is not relevant when using this function. The root symbol can then be dragged and dropped into an Option Box in order to display the entire option chain.

5.0 Order Execution



1. **Symbol:** symbol of stock/option you wish to send an order for.
2. **Account Number:** account number you are placing the trade for.
3. **Quantity:** amount of shares/contracts.
4. **Price:** limit price you wish to send order at.
5. **GTC Check Box:** will select GTC (good 'til cancel) time order.
6. **Market Check Box:** will send a market order.
7. **Route:** execution venue you wish the order to go to.
8. **Stop Check Box:** will send order as a stop order.
9. **VTSO Check Boxes:** will create a VTSO (virtual trailing stop order).
10. **Stop Trigger price:** price stop order will trigger at or delta for VTSO.
11. **Quote:** Displays best bid and ask
12. **Buy:** button used to buy.
13. **Sell:** button used to sell.
14. **Short:** button used to short when an option symbol is in the symbol field the button turns in to a sell to open.
15. **Cancel:** button will cancel all orders of the symbol in the symbol field.
16. **Cover Options Check Box:** will send option as a covered order if selected.

5.1 Placing an order for a Stock

To place an order for a Stock follow the directions below:

Step 1:

Select a stock box to trade from. Do this by clicking on the stock box with the desired symbol or by clicking on the down arrow next to the symbol field in the order execution box then choosing the desired symbol. If the symbol is not on any of the stock boxes simply add the symbol. You will notice that once a stock box is selected the symbol of that stock box will auto populate in the symbol field of the order execution box.

Step 2:

If you do not have multiple accounts please skip to step 3.



Figure 5.2

Choose the account you will trade out of by clicking on the down arrow next to the account field (See figure to the right). All account options will display.

Step 3:

Enter in the amount of shares in the quantity field.



Figure 5.3

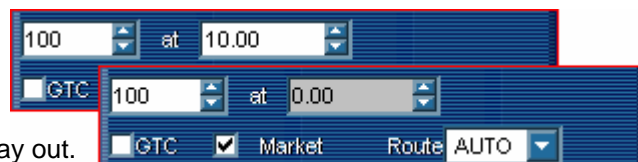
Step 4:

Choose your route: When choosing keep in mind different routes allow different types of orders.

- **ARCA:** Archipelago ECN. Valid for NASDAQ and Listed equities.
- **Auto:** Instructs the DDXtra systems to send the order to the specified default route in the DisnatDirect Routing Table. If no such entry exists for the Office Code and the specific type of instrument, the server will return an error.
- **INET:** Island & INCA ECN. Valid for NASDAQ and Listed equities.
- **MXV:** Valid for Montreal Option Orders
- **TPIK:** Turn Pike Valid for Canadian Equity Order Only
- **TPKV:** CDNX Vancouver Valid for Canadian Equity Orders only
- **MNGD:** Order directed to several markets. No ECN fees apply
- **OPT:** Valid for US options
- **STSX:** smart route TSX
- **NYSE:** New York Stock Exchange

Step 5:

Choose your price:



If market is chosen the price field will gray out.

Figure 5.4

Step 6:

Select order type:

- **GTC:** Good 'til Cancel will keep the order active until you decide to cancel the order. If not selected order will be a DAY order if execution venue you chose doesn't accept after hours orders or GTEM order if it does.
- **Stop:** An order to buy or sell a certain quantity of a certain security, but only after a specified price has been reached. If selected the stop target price field will change to white allowing you to enter a trigger price.

VTSO: (Virtual Trailing Stop Order) When you want to sell a stock, you must specify a spread in the STOP PRICE. The Stop price will follow the stock price as it rises. The trigger price is recalculated each time a new high is reached. You have to define the dollar difference instead of a trigger price. If the stock trades beyond the last stop price, the order will be triggered as a market order. (The opposite applies, in the case of a short position.)

Step 7:



Once finished click on buy, sell, or short to send the order. If you have Confirm Equity orders checked in your settings you will see a window pop-up with your order make sure everything is correct one last time before you send the order to the market.

Figure 5.5

Step 8:

To cancel an order:

There are three ways to cancel an order:

1. Use the cancel or cancel all buttons on the Order Execution box.
 - Cancel will cancel all open orders for the symbol in the symbol field
 - Cancel All will cancel all open orders regardless of symbol.
2. Use the Cancel All button on the Account Manager Window.
3. Select an order by right-clicking on the order to use the Pop-up Menu.
 - Cancel will only cancel that open order.
 - Cancel all will cancel all open orders.

5.1.1 Trading restrictions and notices

The Virtual Trailing Stop Orders

<u>Choices in the drop-down menu</u>	<u>Description</u>
OSIV-A	The order is triggered when a single trade is done at the trigger price on the market. For this type of order, the system will place the initial stop price by using the first trade executed on the market after the order was submitted. The system will then follow trades executed on the market to control the order's trigger.
OSIV-B	The order is triggered when two consecutive trades are done at the trigger price on the market. This aims at solving the possible problem of orders being triggered by erroneous or isolated quotes on the market. For this type of order, the system will place the initial stop price by using the first trade executed on the market after the order was submitted. The system will then follow trades executed on the market to control the order's trigger.
OSIV-C	The order is triggered when the bid or the ask price on the market reach the trigger price. In the case of a buy order, the system will use the bid quotes to control the trigger of the

	<p>order. In the case of a sell order, the system will use the ask quotes to control the trigger of the order.</p> <p>For this type of order, the system will place the initial stop price by using the bid or the ask price on the market on the moment the order is submitted. The system will then follow the bid or ask quotes on the market to control the order's trigger.</p>
--	---

Order types can be used in combination with one another. Stop can be used with market and or GTC to send a Stop Market GTC order which is an order to buy or sell a certain quantity of a certain security at market price, but only after a specified price has been reached and can only be cancelled by you.

Market restrictions (subject to change)

Orders	
Stop Orders	<ul style="list-style-type: none"> • In Canada, only STOP LIMIT orders are accepted and the LIMIT PRICE must equal the STOP PRICE. • Not available on OTC (over the counter) markets. • Not available for extended hours trading for the US markets.
All or None	<ul style="list-style-type: none"> • This restriction is not available on OTC (over the counter) markets. • Not possible on odd lots • Not available for the MX • Not available for extended hours trading for the US markets.
Odd Lots	<ul style="list-style-type: none"> • The orders will be filled with a penalty on the TSX Venture (Vancouver).
VTSO	<ul style="list-style-type: none"> • These orders can be entered only between 9:30am to 4:00pm ET.
TSX and TSX Venture	<ul style="list-style-type: none"> • Orders sent between 9:27 AM and 9:32 AM could be refused by the exchange in order to facilitate the orderly opening of the market.
Market	<ul style="list-style-type: none"> • All MARKET orders sent after regular market hours (4:00PM) will be executed at 9:30AM at the opening on the following trading day.

Durations and ECN to use for extended hour trading:

Trading hours	<i>US Pre-market</i>	US After-market
8:00am – 4:00pm	Use "Day" duration and route to "ARCA"	N/A
4:01pm – 5:00pm	N/A	Use "GTEM" duration and route to "ARCA"

****Market orders will not be accepted during the extended hours**

In order to modify orders sent to the US markets, orders must satisfy all of the following conditions:

Conditions	Status
Preferred ECN	ARCA (or AUTO)
All or None	Unchecked
Order type	Limit
Order duration	Day orders

Please note that DisnatDirect allows clients to **go directly from a short position to a long position** by covering a larger quantity than the client's current short position. This allows client to reposition themselves in a single trade.

5.2 Placing an order for an Option

To place an order for a Stock follow the directions below:

Step 1:

Select a Option box to trade from. Do this by clicking on the option box with the desired symbol or by clicking on the down arrow next to the symbol field in the order execution box then choosing the desired symbol. If the symbol is not on any of the option boxes simply add the underlying symbol to an option box and pick from the symbols in the option chain. You will notice that once a option box is selected the symbol of that option box will auto populate in the symbol field of the order execution box.

Step 2:

If you do not have multiple accounts please skip to step 3.

Choose the account you will trade out of by clicking on the down arrow next to the account field. All account options will display.

Step 3:

Enter in the amount of shares in the quantity field.

(5.1 Placing an order for a Stock continued)

Step 4:

Choose your route: When choosing keep in mind different routes allow different types of orders.

- **GOES:** GOES, part of Knight Trading. Valid for Options orders only.

Step 5:

Choose your price:

If market is chosen the price field will gray out.

Step 6:

Select order type:

- **GTC:** Good 'til Cancel will keep the order active until you decide to cancel the order. If not selected order will be a DAY order if execution venue you chose doesn't accept after hours orders or GTEM order if it does.
- **Stop:** An order to buy or sell a certain quantity of a certain security, but only after a specified price has been reached. If selected the stop target price field will change to white allowing you to enter a trigger price.

Order types can be used in combination with one another. Stop can be used with market and or GTC to send a Stop Market GTC order which is an order to buy or sell a certain quantity of a certain security at market price, but only after a specified price has been reached and can only be cancelled by you.

Step 7:

Select the covered check box if the option order is to be covered or unchecked the box to send the order out as uncovered.



Figure 5.6

Step 8:

Once finished click on buy, sell, or short to send the order. If you have Confirm Equity orders checked in your settings you will see a window pop-up with your order make sure everything is correct one last time before you send the order to the market.

Step 9:

To cancel an order:

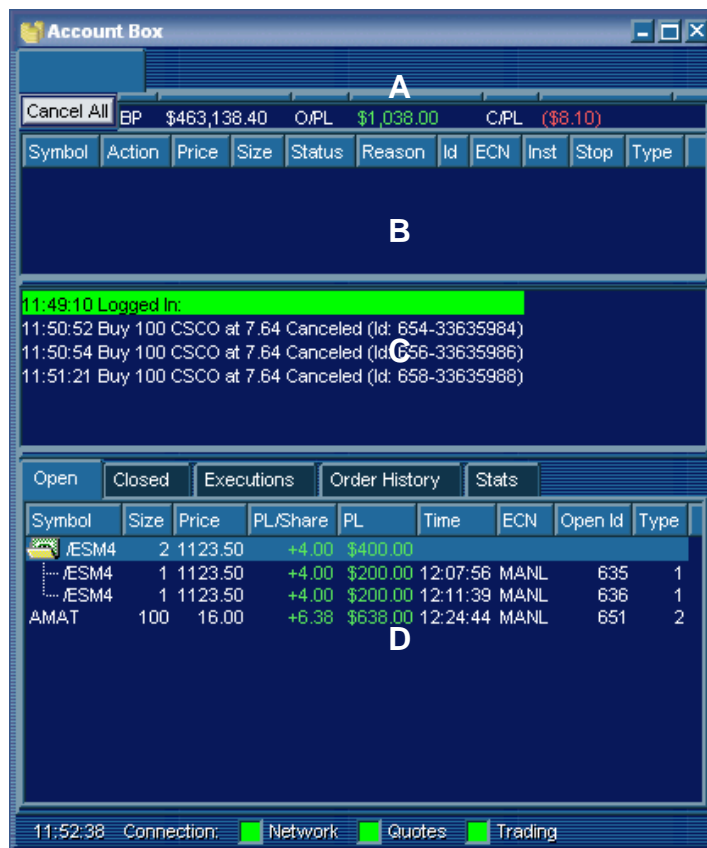
There are three ways to cancel an order:

4. Use the cancel or cancel all buttons on the Order Execution box.
 - Cancel will cancel all open orders for the symbol in the symbol field
 - Cancel All will cancel all open orders regardless of symbol.
5. Use the Cancel All button on the Account Manager Window.
6. Select an order by right-clicking on the order to use the Pop-up Menu
 - Cancel will only cancel that open order.
 - Cancel all will cancel all open orders.

6.0 Account Management

The DDXtra Account Box is divided into three sub-sections: the Open Order Window, the Messages Window, and the Account Activity Window. When a user is logged into multiple Accounts, a new tabbed instance of the Account Box is created for each account. Each account-specific tab within the Account Box includes an Open Orders Window and Account Activity Window. The Message Window is independent of the account, and contains all messages received by the DDXtra terminal during the current session.

6.1 Account Watcher Interface



- A. **Account Watcher Header:** this displays basic time, date and account information.
- B. **Open Order Window:** shows all pending orders sorted by the user defined column choices.
- C. **Message Window:** displays and scrolls all system messages from the Axis 2.1 servers. These include critical messages regarding system status, order status, execution information, cancellation confirmations, etc. The messages are color-coded to assist with quick interpretation.
- D. **Account Tabs:** displays various statistics for positions and order history on multiple tabs.

Figure 6.1

6.2 Account Watcher Header

Figure 6.2



Account Header found at the top of the account watcher displays all accounts logged into, a Cancel All button to cancel every open order you have, Buypower, Open P&L and Closed P&L.

DDXtra allows a user to be logged-in to multiple accounts simultaneously. The settings file is saved under the first account's Login ID. In order to maintain a consistent set of layout parameters and application settings, log-in first using the same primary account every time, and then log-in to additional accounts as necessary and in any order desired. In order to log-in to additional accounts, use the File Menu > Login option, or right-click in the Account Box header area and select Login

Immediately below the account number tabs is the Open Orders Window. Included in the sub-section of the Account Box is the "Cancel All" button, the Account Header, and the Orders Screen.

The "Cancel All" button is used to send Cancel Request messages for ALL open orders displayed in the selected account. When clicked, each open order will generate a Cancel Request, and the status will change to "Canceling". Once a "UR-Out" is received from the execution venue the order status will change to "Canceled" and the order will fall off of the Open Order screen. Alternatively, some orders may be "too late to cancel" in which case the Cancel request will be rejected and an execution will be returned instead.

To the right of the "Cancel All" button is the Account Header, which displays the Buy Power and P&L information for the selected account (as shown in the figure above):

- **Buy Power (BP):** the total equivalent stock value that can be purchased based on the current equity and margin positions in the account.
- **Open P&L (O/PL):** represents the total profit or loss of the positions presently held in the account. If the number is in green, then the total open positions are worth more than their opening price. If red, then the open positions are worth less than their opening value. The Open P&L changes just as quickly as the values of the open positions change with the market conditions.

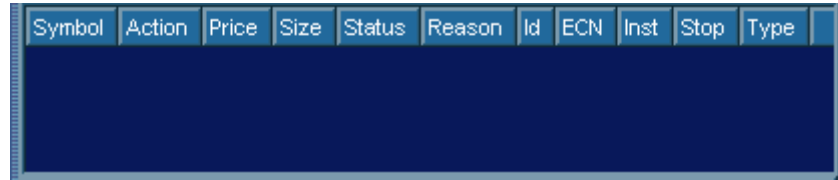
Note: The Open P&L does NOT take into account commission charges from the opening of the positions, nor the future commission costs associated with closing the positions. The P&L calculation is derived purely from the stock price and may therefore understate a loss or overstate a profit by the amounts of the commissions incurred.

- **Closed P&L (C/PL):** indicates the total Profit or Loss realized from the closing of positions during the current day. If the number is displayed in green then the account has a profit from the closing of the positions. If red, then the account has incurred a loss on the closing of positions today.

Note: The Closed P&L does NOT take into account past commission charges from the opening of the positions, nor the commission costs associated with closing the positions. The P&L calculation is derived purely from the stock price and may therefore understate a loss or overstate a profit by the amounts of the commissions incurred.

6.3 Open Order Window

Figure 6.3



Symbol	Action	Price	Size	Status	Reason	Id	ECN	Inst	Stop	Type
--------	--------	-------	------	--------	--------	----	-----	------	------	------

Open orders are displayed in a tabular format. The columns present the order details as follows:

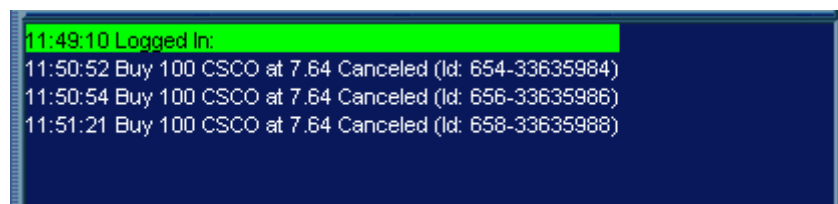
- **Symbol:** the stock/option/future symbol.
- **Action:** the type of transaction (Buy, Sell, Short).
- **Price:** the price-per-share for a Limit order, or “Market” for a Market order.
- **Size:** the number of shares in the original order
- **Status:** the current condition of the order (Accepted, Cancel Sent, etc)
- **Reason:** explanation of the status under certain conditions.
- **Id:** the numeric ID of the order. It is important to reference this number whenever contacting your broker or Trade Desk regarding a specific order.
- **ECN:** the execution network where the order has been sent. This is determined by the type of order (Market or Limit), the specific security (NASDAQ vs. NYSE, for instance), and other factors such as price or liquidity.
- **Inst:** Time In Force information if applicable.
- **Stop:** the Stop Trigger Price when applicable.
- **Type:** 2 (Margin) or 1 (Cash).

The right-click menu available in the Open Orders Window presents the following Options:

- **Cancel:** to cancel an order, right-click on the specific order and choose Cancel.
- **Cancel All:** will send a Cancel Request for ALL open orders (same function as the “Cancel All” button)
- **Columns:** will launch the column layout utility – allows the user to hide or show particular columns and change column order.
- **Print:** sends the contents of the window to the printer.
- **Export:** exports the contents of the window to a CSV file – pops a “Save As...” dialog box.
- **Smart Width:** adjusts the widths of the columns to display all values.
- **Colors:** changes the colors of background, shade, and text.
- **Font:** changes font style and size.

6.4 Message Window

Figure 6.4



```
11:49:10 Logged In:
11:50:52 Buy 100 CSCO at 7.64 Canceled (Id: 654-33635984)
11:50:54 Buy 100 CSCO at 7.64 Canceled (Id: 656-33635986)
11:51:21 Buy 100 CSCO at 7.64 Canceled (Id: 658-33635988)
```

The Message Window displays important messages primarily regarding system status and order activity. Messages are presented in a color-coded format to assist in quick identification of important content.

- Opening LONG positions are confirmed by green-letter messages.
- Opening of SHORT positions are confirmed by red-letter messages.
- Closing of profitable positions are confirmed by green-letter messages.
- Closing of money-losing positions are confirmed by red-letter messages.
- System problems are indicated by red highlighted message lines.

- Resolutions of system problems are indicated by green highlighted message lines.
- Basic order flow confirmations are shown in white-letter messages.

(6.4 Message Window continued)

All messages are maintained throughout the login session, and the Message Window scrolls so that earlier messages can be reviewed. To Print or Save the message content, click and drag to highlight the desired text (or right-click in the Message Window and choose “Select All”), then right-click in the Message Window and choose “Copy”. Now open an application such as Notepad, Wordpad or Word and paste the content into the document to be saved, emailed, or printed.

6.5 Account Info Window

Figure 6.5

Symbol	Size	Price	PL/Share	PL	Time	ECN	Open Id	Type
/ESM4	2	1123.50	+4.00	\$400.00				
/ESM4	1	1123.50	+4.00	\$200.00	12:07:56	MANL	635	1
/ESM4	1	1123.50	+4.00	\$200.00	12:11:39	MANL	636	1
AMAT	100	16.00	+6.38	\$638.00	12:24:44	INET	651	2

11:52:38 Connection: Network Quotes Trading

The Account info Window contains all position, execution, order, order history, and status information you will need to maintain your trading account.

6.5.1 Open Tab

Figure 6.6

Symbol	Size	Price	PL/Share	PL	Time	ECN	Open Id	Type
/ESM4	2	1123.50	+4.00	\$400.00				
/ESM4	1	1123.50	+4.00	\$200.00	12:07:56	MANL	635	1
/ESM4	1	1123.50	+4.00	\$200.00	12:11:39	MANL	636	1
AMAT	100	16.00	+6.38	\$638.00	12:24:44	INET	651	2

11:52:38 Connection: Network Quotes Trading

The Open Tab shows all open positions – regardless of when they were opened. These positions are currently held in the selected account and their values are fluctuating in real-time as the market prices move. All of the positions on this tab contribute to the Open P&L calculation shown in the Account Box Header. As positions are closed (i.e. sold or covered) they will automatically fall off of this screen and appear on the Closed Position tab.

Each column shows the following:

- **Symbol:** the stock/option/future symbol.

- **Size:** the number of shares owned.
- **Price:** the price per share at which the position was opened.
- **PL/Share:** the present profit or loss calculated per individual share.
-

(6.5.1 Open Tab continued)

- **PL:** the overall profit or loss for the total position.
- **Time:** the time at which the position was opened.
- **ECN:** the execution system that filled the order opening the position.
- **Open ID:** the identification number of the position-opening order. The Open Tab P&L does NOT take into account commission charges from the opening of the positions. The P&L calculation is derived purely from the stock price and may therefore understate a loss or overstate a profit by the amounts of the commissions incurred.
- **Type:** 2 (Margin) or 1 (Cash).

The right-click menu available in the Open Positions Window presents the following Options:

- **Alert:** notification a specific event occurred on selected symbol..
- **Reset Alert:** reset alert to look for another event on selected symbol.
- **Delete Alert:** removes alert from symbol.
- **Columns:** will launch the column layout utility – allows the user to hide or show particular columns and change column order.
- **Print:** sends the contents of the window to the printer.
- **Export:** exports the contents of the window to a CSV file – pops a “Save As...” dialog box.
- **Smart Width:** adjusts the widths of the columns to display all values.
- **Colors:** changes the colors of background, shade, and text.
- **Font:** changes font style and size.

Setting Alerts on Open Positions

The right-click menu within the Open Positions tab presents Alert Options in addition to the standard Columns/Print/Export features. Open Position Alerts are set based on P&L per share, and will alert the user when a particular position has exceeded a P&L/share limit (either above or below a threshold).

To set a Position Alert:

Figure 6.7

Symbol	Size	Price	PL/Share	PL	Time	ECN	Open Id	Type
./ESM4	2	1123.50	+4.00	\$400.00				
./ESM4	1	1123.50	+4.00	\$200.00	12:07:56	MANL	635	1
./ESM4	1	1123.50	+4.00	\$200.00	12:11:39	MANL	636	1
AMAT	100	16.00	+6.38	\$638.00	12:24:44	INET	651	2

1. right-click on the position and select “Alert” from the menu.
2. In the Alert Setup box, select whether to be alerted when the P&L drops below a certain value (PL/Share <=), or when the P&L exceeds a certain value (PL/Share >=), or both.
3. Enter the value for the Alert Items checked as a dollar amount with decimal places (enter a negative number to be alerted for negative P&L values).
4. Once the alert is set, the red arrow icon will appear next to the Symbol .

5. The alert is saved as part of the user settings and will remain in effect until the user deletes it, or until the position is closed.

When the alert is triggered, three indications are given – a sound displayed, a pop-up is displayed, and a red lashing highlight appears in the Open Positions tab. After the alert is triggered, use the “Reset Alert” option on the right-click menu to remove the red highlighting on the symbol and to prepare the alert to fire again when the parameters are next exceeded.

To remove an alert: right-click on the position and select “Delete Alert” from the menu.

6.5.2 Closed Tab

Figure 6.8

Symbol	Size	Bought	Sold	PL/Share	PL	Time	Open Id	Close Id
AMAT	100	22.28	22.20	-0.08	(\$8.00)	9:00:09	646	646
DELL	10	35.53	35.52	-0.01	(\$0.10)	1:04:01	653	653
ORCL	200			0.00	\$0.00			
ORCL	100	12.25	12.25	0.00	\$0.00	9:03:42	648	648
ORCL	100	12.25	12.25	0.00	\$0.00	9:04:11	650	650

11:53:13 Connection: Network Quotes Trading

The Closed tab displays positions that have been closed during the current trading day. The positions detailed on this tab make up the Closed P&L calculations in the Account Header section.

The columns contained in this section include:

- **Symbol:** the stock/option/future symbol.
- **Size:** the number of shares transacted.
- **Bought:** the price per share when the shares were purchased.
- **Sold:** the price per share when the shares were sold.
- **PL/Share:** the profit or loss calculated per individual share.
- **PL:** the overall profit or loss for the total position.
- **Time:** the time at which the position was opened.
- **ECN:** the execution system that filled the order opening the position.
- **Open ID:** the identification number of the position-opening order.
- **Closed ID:** the identification number of the position-closing order.

The right-click menu available in the Closed Orders Window presents the following Options:

- **Columns:** will launch the column layout utility – allows the user to hide or show particular columns and change column order.
- **Print:** sends the contents of the window to the printer.
- **Export:** exports the contents of the window to a CSV file – pops a “Save As...” dialog box.
- **Smart Width:** adjusts the widths of the columns to display all values.
- **Colors:** changes the colors of background, shade, and text.
- **Font:** changes font style and size.

No additional operations can be performed on a closed position.

6.5.3 Executions Tab

Figure 6.9

Id	Time	Action	Symbol	Size	Price	ECN	Commission	ECN Fees	SEC Fees
641	8:58:41	Buy	AMAT	100	22.28	ARCA	10.00	2.20	0.04
646	9:00:09	Sell	AMAT	100	22.20	INET	10.00	2.20	0.04
647	9:03:34	Buy	ORCL	100	12.25	INET	10.00	2.20	0.04
648	9:03:42	Sell	ORCL	100	12.25	ARCA	10.00	2.20	0.04
649	9:04:05	Buy	ORCL	100	12.25	INET	10.00	2.20	0.04
650	9:04:11	Sell	ORCL	100	12.25	ARCA	10.00	2.20	0.04
651	12:24:44	Buy	AMAT	100	16.00	MANL			
652	1:02:30	Buy	DELL	10	35.53	P3			
653	1:04:01	Sell	DELL	10	35.52	P3			

11:54:50 Connection: Network Quotes Trading

The Order History Tab presents a record of all orders sent to the markets during the current day, regardless of whether they were eventually filled, rejected, or cancelled.

- **ID:** the identification number assigned to the order. **Time:** the time the order was entered (not the time of execution or cancellation).
- **Time:** the time at which the execution took place.
- **Action:** the type of order (Buy, Sell, or Short)
- **Symbol:** states the name of the equity.
- **Size:** is the number of shares in the order.
- **Price:** the order price for Limit Orders, or "Market" for Market Orders.
- **ECN:** the execution venue to which the order was sent.
- **Commission:** Commission charged for each trade.
- **Ecn Fees:** ECN fees if any charged for each trade.
- **SEC Fees:** SEC fees if any charged for each trade.

The right-click menu available in the Execution Window presents the following Options:

- **Columns:** will launch the column layout utility – allows the user to hide or show particular columns and change column order.
- **Print:** sends the contents of the window to the printer.
- **Export:** exports the contents of the window to a CSV file – pops a "Save As..." dialog box.
- **Smart Width:** adjusts the widths of the columns to display all values.
- **Colors:** changes the colors of background, shade, and text.
- **Font:** changes font style and size.

No additional operations can be performed on execution information.

6.5.4 Order History Tab

Figure 6.10

Id	Time	Action	Symbol	Size	Price	Status	Reason	ECN	Type
641	9:00:55	Buy	AMAT	100	22.28	Executed		ARCA	2
642	8:59:48	Sell	AMAT	100	22.25	Canceled	User	INET	2
644	9:00:01	Sell	AMAT	100	22.25	Canceled	User	INET	2
646	9:08:57	Sell	AMAT	100	22.20	Executed		INET	2
647	9:08:57	Buy	ORCL	100	12.25	Executed		INET	2
648	9:08:57	Sell	ORCL	100	12.25	Executed		ARCA	2
649	9:12:49	Buy	ORCL	100	12.25	Executed		INET	2
650	9:12:49	Sell	ORCL	100	12.25	Executed		ARCA	2
651	12:24:44	Buy	AMAT	100	16.00	Executed		MANL	2
652	1:17:22	Buy	DELL	10	Market	Executed		P3	1
653	1:18:21	Sell	DELL	10	Market	Executed		P3	1
654	11:50:52	Buy	CSCO	100	7.64	Canceled	User	P3	2

11:55:04 Connection: Network Quotes Trading

The Order History Tab presents a record of all orders sent to the markets during the current day, regardless of whether they were eventually filled, rejected, or cancelled.

- **ID:** the identification number assigned to the order. **Time:** the time the order was entered (not the time of execution or cancellation).
- **Time:** the time at which the order was placed.
- **Action:** the type of order (Buy, Sell, or Short)
- **Symbol:** states the name of the equity.
- **Size:** is the number of shares in the order.
- **Price:** the order price for Limit Orders, or "Market" for Market Orders.
- **Status:** the current status of the order (Pending, Cancelled, Executed, etc).
- **Reason:** an explanation of the Status, if necessary (for orders labeled as Rejected or Canceled).
- **ECN:** the execution venue to which the order was sent.
- **Type:** 2 (Margin) or 1 (Cash).

The right-click menu available in the Execution Window presents the following Options:

- **Columns:** will launch the column layout utility – allows the user to hide or show particular columns and change column order.
- **Print:** sends the contents of the window to the printer.
- **Export:** exports the contents of the window to a CSV file – pops a "Save As..." dialog box.
- **Smart Width:** adjusts the widths of the columns to display all values.
- **Colors:** changes the colors of background, shade, and text.
- **Font:** changes font style and size.

No additional operations can be performed on order history.

6.5.5 Stats Tab

Figure 6.11

Category	Sub-category	Value
Monthly	Trades	
	Total	156
	Equity	138
	Futures	8
Option	10	
Daily	Buy Power	\$463,138.40
	Closed	
	Net P/L	(68.10)
	Gross P/L	(8.10)
	Open	
	Net P/L	1,038.00
	Gross P/L	1,038.00
	Trades	
	Total	9
	Closed	4
	Open	5
Equity	9	
Option	0	
Fees		
Total Commission	60.00	
Total SEC	13.20	
Total ECN	0.16	

11:55:36 Connection: ■ Network ■ Quotes ■ Trading

Stats is an accounting of the accounts status in real-time. It will display trades, buy power, P&L, and Fees.

The right-click menu available in the Stats Window presents the following Options:

- **Columns:** will launch the column layout utility – allows the user to hide or show particular columns and change column order.
- **Print:** sends the contents of the window to the printer.
- **Export:** exports the contents of the window to a CSV file – pops a “Save As...” dialog box.
- **Smart Width:** adjusts the widths of the columns to display all values.
- **Colors:** changes the colors of background, shade, and text.
- **Font:** changes font style and size.

7.0 Top Ten Window

From the 'window' menu, you can start the 'Top Ten' window. This section allows the client to sort the market data to find the stocks that have the most significant values. By choosing a specific criterion in the option 'Sort by', you can isolate the ten most significant stocks to fit that criterion. You can also choose a specific market that you wish to sort.

8.0 DDE Functionality

The DDXtra platform offers the possibility to import live quotes in Microsoft Excel. In an Excel cell, you can type the following formula: =axispro|quote!'symbol,function' . The SYMBOL is the recognized stock symbol which needs a .O or .MX for an option contract or a .TO or .VN for TSX and TSX Venture symbols. FUNCTION refers to one of the different categories in the table below:

<i>Categories</i>	<i>Descriptions</i>
last	Last trade on the market.
close	The closing price of the latest session.
open	The opening price of the current session.
high	The highest price of the current session.
low	The lowest price of the current session.
high52	The highest price of the last 52 weeks.
lo52	The lowest price of the last 52 weeks.
vol	The volume of trade of the current session.
bid	The current best bid on the market.
ask	The current best ask on the market.

Please, note that the ' (single quote) marks are required in the formula. The | is a pipe character.

In Example:

```
=axispro|quote!'CSCO,last'
```

```
=axispro|quote!'QIQFI.O,high'
```

```
=axispro|quote!'NT.TO,vol'
```