Owner's Handbook

New Trading Techniques
Using
Multiple Time Frames

New Technical Tools
For The
Thinking Trader

(End of Day)

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OWNER'S HANDBOOK

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Signature: **Date:**

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INTRODUCTION

Thank you for your purchase of the Fibonacci Trader Program, the only true Multiple Time Frame Analysis Platform. We at The Fibonacci Trader Corporation have designed this manual as an educational tool to use with your program. Our goal is to help you gain the greatest advatage fronm this program. The Fibonacci Trader Program has indicators and technical methods found no where else, as well the standard technical indicators found in other trading software. Developed by trader Robert Krausz, who was featured in the best selling book *New Market Wizards*, is author of the soon to be classic *A W. D. Gann Treasure Discovered*, and is the Editor of the *Fibonacci Trader Journal*, the Fibonacci Trader program stands alone in its powerful and unique ability to present market analysis in a Multiple Time Frame concept.

Throughout this manual you will see the application of this approach. You will see both your favorite indicators in a new light and proprietary techniques exclusively available in the Fibonacci Trader. As you read this manual and use the Fibonacci Trader you too will see the advantages of analyzing the market using Multiple Time Frames. We wish you super trading!

CONTENTS

Getting Started

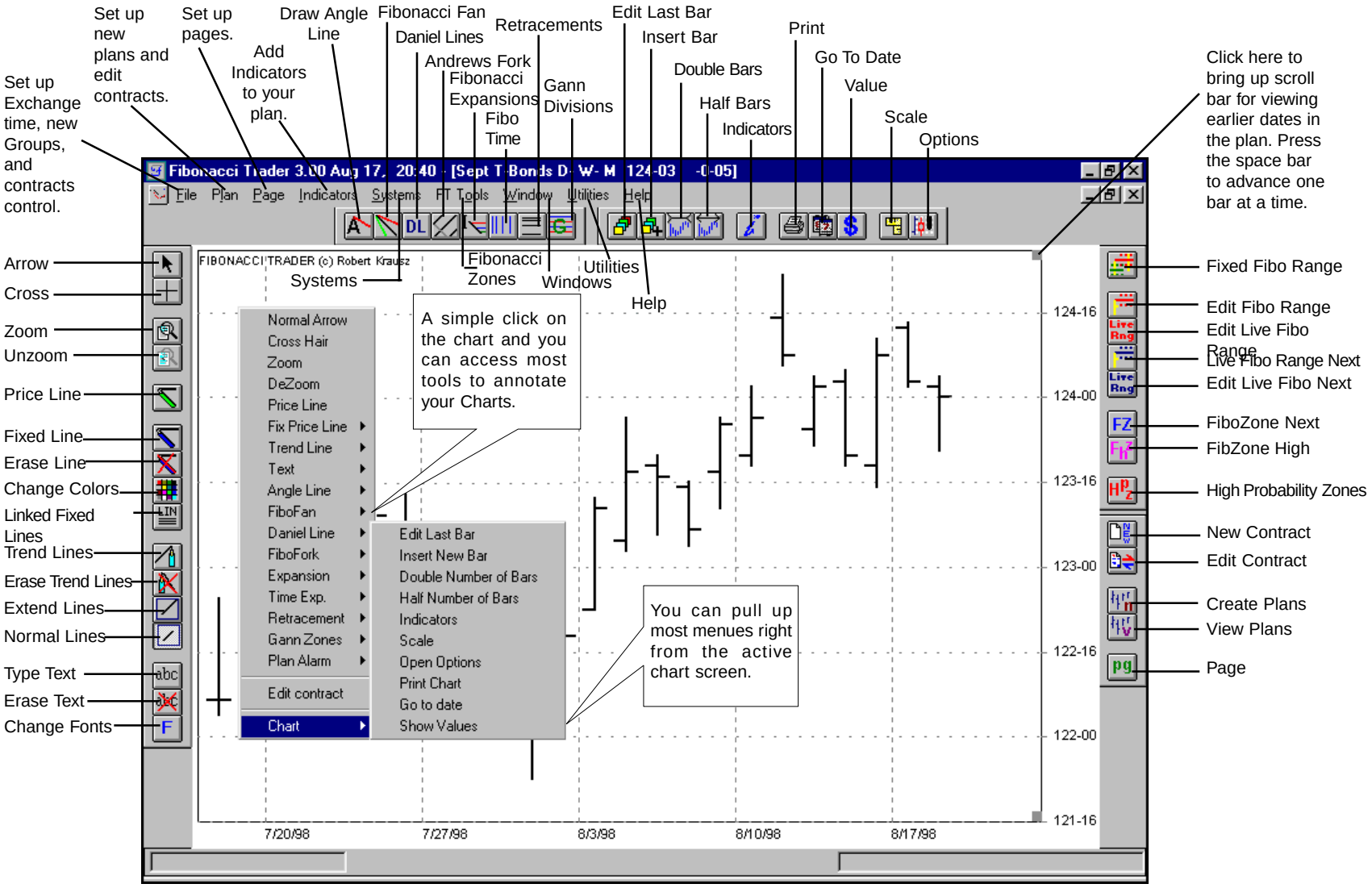
1. Fill out the Licensing Agreement and either fax or mail it back to the Fibonacci Trader Corporation. Without this document on file you will not have access to support.

2. For End of Day data go to the Contracts section on page 7.

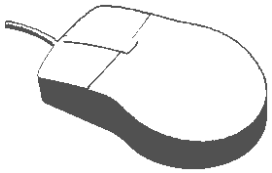
3. A chart is called a Plan in the Fibonacci Trader because of the access to Multiple Time Frame Analysis. To set up a plan go to the Plan section on page 13.

4. To add indicators to your plan go to the Indicator section on page 15.

5. See the next page for a key to the Fibonacci Trader


Set up Exchange time, new Groups, and contracts control.
Set up new plans and edit contracts.
Set up pages.
Add Indicators to your plan.
Draw Angle Line
Fibonacci Fan
Daniel Lines
Andrews Fork
Fibonacci Expansions
Fibo Time
Retracements
Gann Divisions
Edit Last Bar
Insert Bar
Double Bars
Half Bars
Indicators
Print
Go To Date
Value
Scale
Options
Click here to bring up scroll bar for viewing earlier dates in the plan. Press the space bar to advance one bar at a time.
Arrow
Cross
Zoom
Unzoom
Price Line
Fixed Line
Erase Line
Change Colors
Linked Fixed Lines
Trend Lines
Erase Trend Lines
Extend Lines
Normal Lines
Type Text
Erase Text
Change Fonts
Systems
Fibonacci Zones
Windows
Utilities
Help
Fibonacci Trader 3.00 Aug 17, 20:40 - [Sept T-Bonds D- W- M 124-03 -0-05]
File Plan Page Indicators Systems FT Tools Window Utilities Help
FIBONACCI TRADER (c) Robert Krausz
Normal Arrow
Cross Hair
Zoom
DeZoom
Price Line
Fix Price Line
Trend Line
Text
Angle Line
FiboFan
Daniel Line
FiboFork
Expansion
Time Exp.
Retracement
Gann Zones
Plan Alarm
Edit contract
Chart
Edit Last Bar
Insert New Bar
Double Number of Bars
Half Number of Bars
Indicators
Scale
Open Options
Print Chart
Go to date
Show Values
A simple click on the chart and you can access most tools to annotate your Charts.
You can pull up most menues right from the active chart screen.
124-16
124-00
123-16
123-00
122-16
122-00
121-16
7/20/98
7/27/98
8/3/98
8/10/98
8/17/98
Fixed Fibo Range
Edit Fibo Range
Edit Live Fibo Range
Live Fibo Range Next
Edit Live Fibo Next
FiboZone Next
FibZone High
High Probability Zones
New Contract
Edit Contract
Create Plans
View Plans
Page

Conventions



Mouse

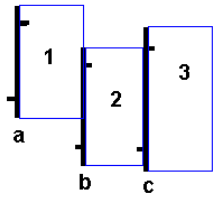
When using the mouse and its on-screen pointer to select items and initiate actions the following instructions apply:

Click - click the left mouse button once.

Double-click - click the left mouse button twice, in quick succession.

Right-click - click the right mouse button once.

You can edit data by simply clicking on the bar that you wish to edit. To edit the bar you must select the bar by placing your mouse pointer, for example, on bar *a* place the pointer inside the rectangle 1, and click once using the left mouse button. For bar *b* place inside the rectangle 2 and click. For the bar *c* place the pointer inside rectangle 3 and click.



Typing Values

When typing in values, such as editing the low value in one specific bar, you must enter the data in the same format specified when you first set up the Contract Parameters. Your contract minimum parameter values can be decimals, 1/4, 1/8, 1/16 or 1/32. Examples:

Tick Size	Action and Example
Decimal	For a price such as 4700.34, you type a period and two integers.
1/4	For example, 321-3 you type a dash (-) to show the fraction. In this case the price is 321 and 3/4. If you have a value such as 321-0 then you still need to type the -0.
1/8	Same as 1/4 contract except that the numerator ranges from 0 to 7.
1/16	For example, 110-05 you type a dash (-) and then the two fraction numbers. In this case the price reads 110 and 5/32 but you must type -05. If you have 110 and 15/16 then enter 110-15, or if the price is 110 even, then enter 110-00.
1/32	Same as 1/16 contracts except that the numerator ranges from 0 to 31.

INSTALLATION

HARDWARE SECURITY LOCK

Fibonacci Trader uses a hardware lock to ensure that only authorized users can run the program. The software cannot be installed properly nor will the program run without the security lock in place. The hardware lock is an electronic device and should be handled with care. Avoid touching the ends of the lock. You can transport the lock between locations, such as home and office, without fear of damaging it, but do remember that it is an electronic device.

Step 1 Exit your programs and switch off your computer.

Step 2 The security lock fits between your computer and printer (if you have one). If you have a printer attached to the standard parallel printer port, disconnect it.

Step 3 Attach the hardware key lock directly to the empty parallel printer port on the back of your computer. Only one end of the key lock will fit, so it cannot be put on backwards. Notice that one end of the lock is marked computer.

Step 4 If you have a printer, (re)connect the printer cable to the now exposed end of the hardware security lock. Make sure all connections are snug.

Step 5 If you have screws on the end of your printer cable that is attached to the hardware key lock, tighten them and also tighten the hardware key lock's own screws in order to hold it firmly to the computer.

If you have more than one security lock, then "piggyback" them, putting the Fibonacci Trader lock first (nearest the computer). The program has run successfully with as many as four locks attached. Nevertheless, if one of your programs requiring a security lock fails to run, try switching the order of the locks.

With the lock now properly installed, proceed with the installation of the software.

INSTALLATION

INSTALLING THE FIBONACCI TRADER PROGRAM

The following steps will load the program and test files onto your hard disk.

Step 1 Switch on the computer and start Microsoft® Windows.

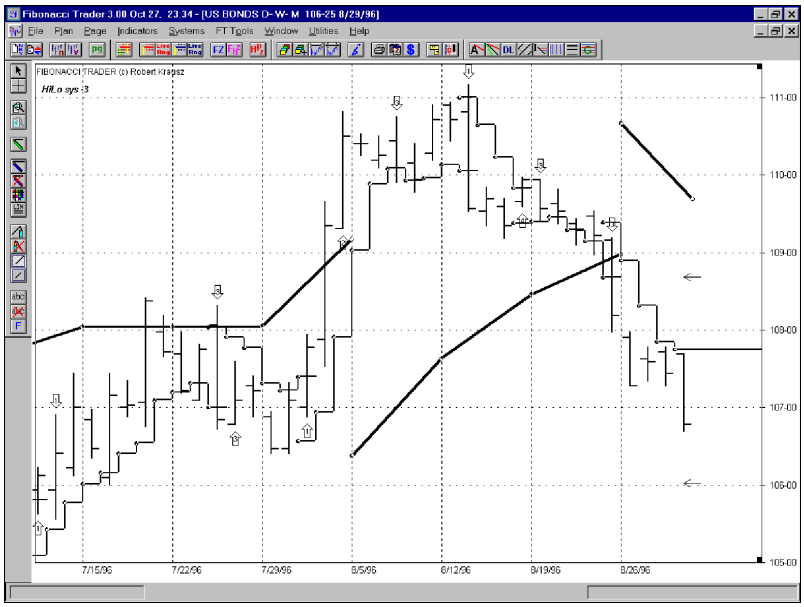
Step 2 Put the Fibonacci Trader CD in your CD Drive.

Step 3 Click on Start from the tool bar, click on run, click on Browse and find the CD Drive. Select Setup.exe, then click Open, and then click Run.

Step 4 Follow the instructions on the screen.

You Are Now Ready To Run The Program:

Click on Start, click on Programs, click on Fibonacci Trader, and then click on the Fibonacci Trader program icon.



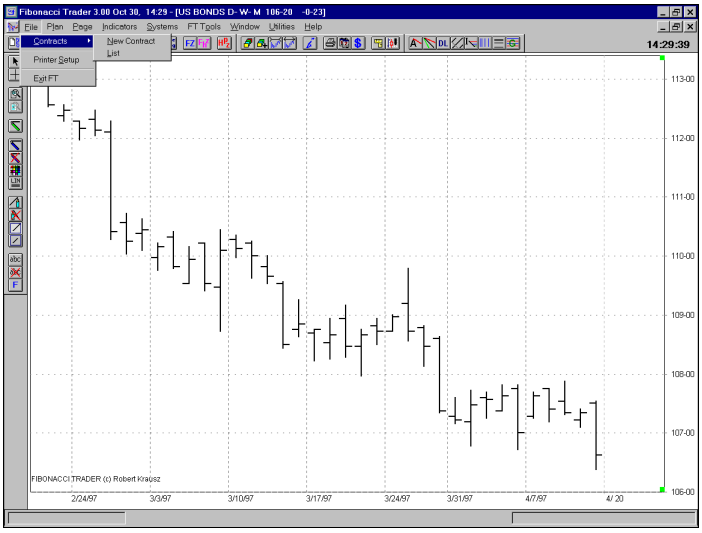
The Fibonacci Trader 3.0 offers many new features.

Main Menu

The Main Menu

The Main Menu is a set of pull down menus listed below the caption bar. The main menu includes the File, Plan, Indicators, Systems, FT Tools, Windows, Utilities, and Help.

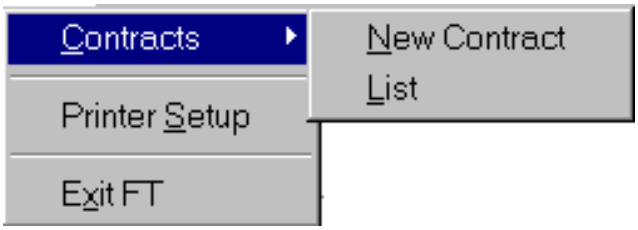
Main Menu



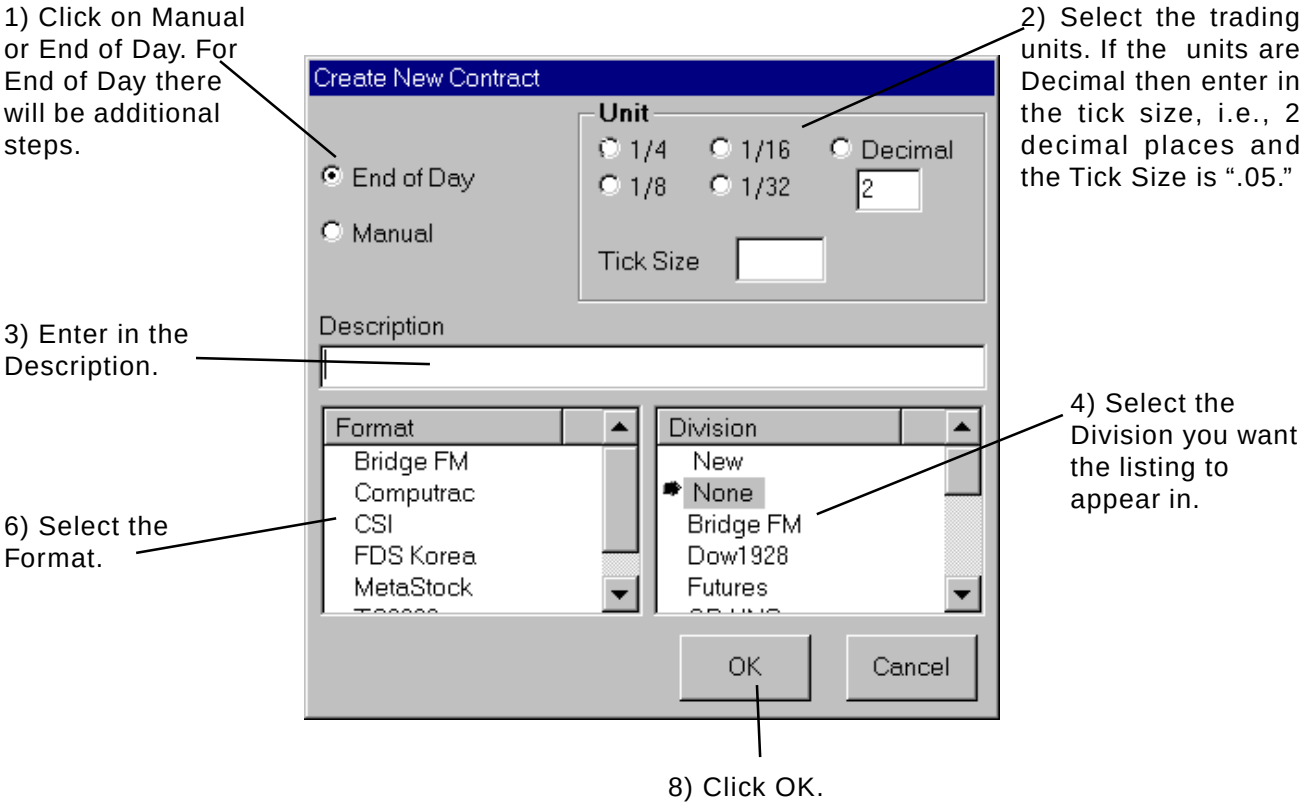
Let's start with the File Menu. Left click on the File menu and you can now access the ability to create,edit and delete contracts, and edit and list contracts. Here you can also set up your printer as well as exit the Fibonacci Trader.

CONTRACTS

NEW CONTRACTS



Contracts are all of the markets you wish to track, such as stocks and indexes. Go to the File Menu and select Contracts, and then New Contract for creating a new contract. When you click New Contacts the window below opens. Follow the steps below.

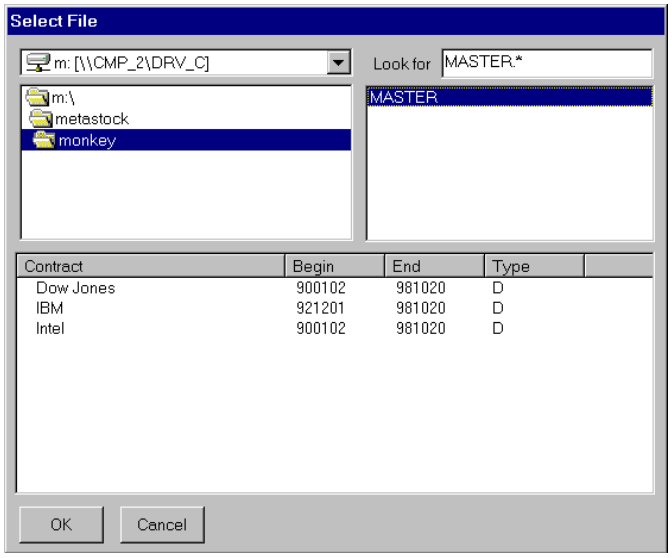


The steps above are for End of Day and Manual contracts. A manual contract would be updated by hand or by importing ASCII files suct as tab deliminated or comma seperated.

When you select End of Day in the Create New Contract window you will have a

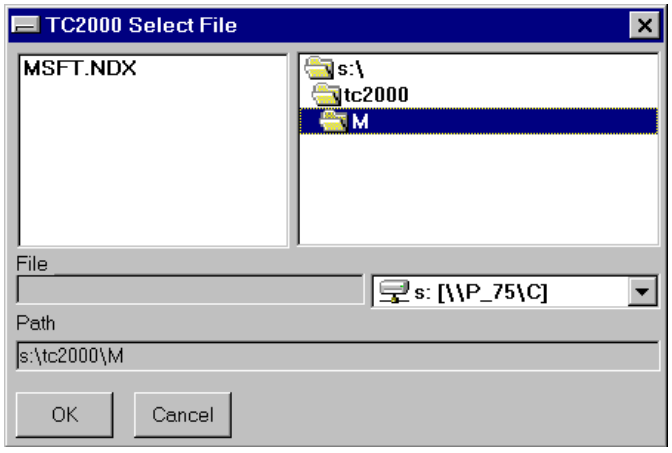
list of data suppliers that are compatible . In this window you do not need to enter the contract's symbol, but you do need to enter the file format where the data will be collected. The others inputs are the same as the Real Time Contract.

Select the End of Day data format that you are using, which should be on your hard drive. For example, if you are using the MetaStock format the window to the right will appear. (Other formats of data Windows are also shown.) Using the drive selector and the tree directory selector you look for you MASTER file for MetaStock and Computrac format or you look for your QMASTER file for CSI format. If the master file is in this directory the name MASTER will appear in the file list. Click on the MASTER name. The list of all contracts in this master file will appear. Select and click the one that you want. Click the OK button.



You will return to the create new contract window and you will see in the Description box the name of the file that you selected. Click the OK button, and the Daily/Weekly/ Monthly plan for this contract will be created.

Note that you can use the Select button only to create Daily/Weekly/ Monthly Contracts. For intraday plans use the sequence shown in the previous section.

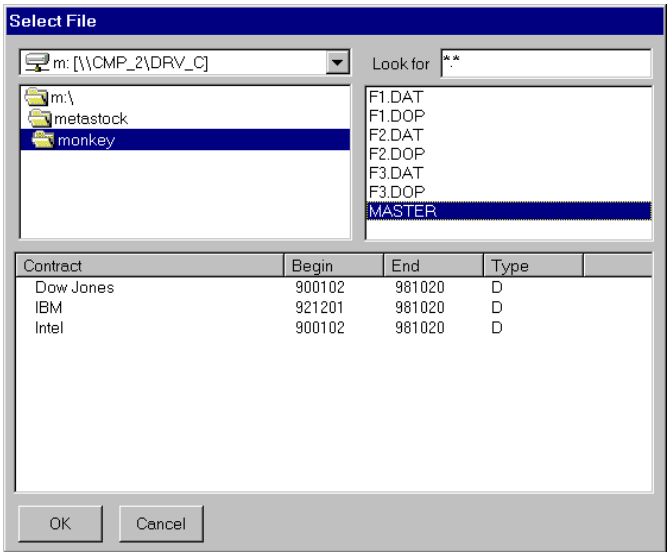


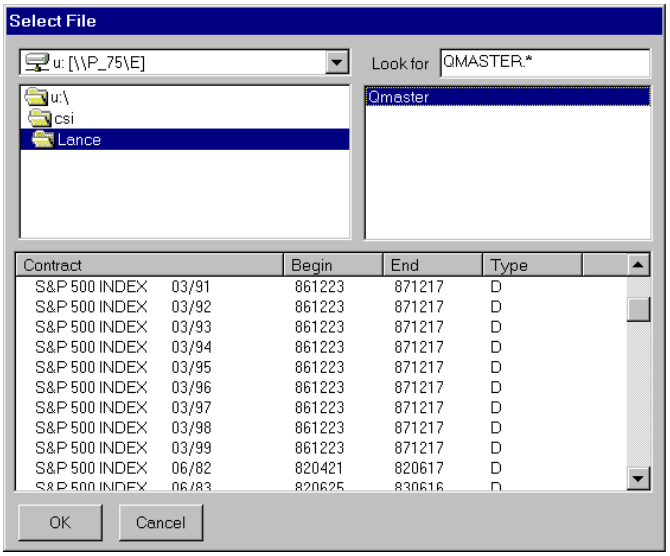
For the TC2000 format use the drive selector and the directory tree selector to find the contract that you want in the file list. Click on the file

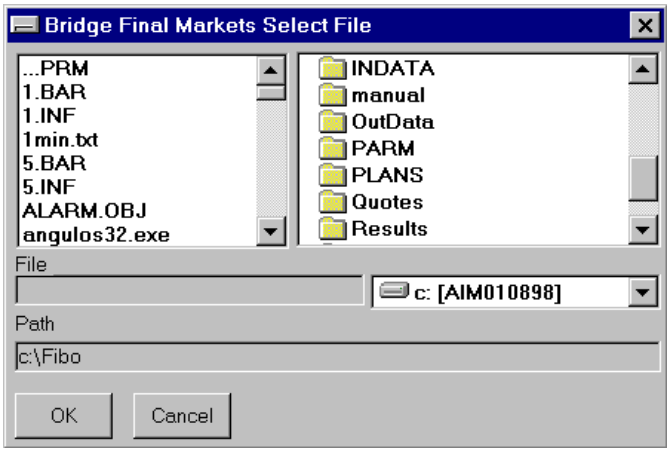
name of this contract and click the OK button. You will return to the create new contract window and you will see in the Description box the name of the file that you selected.

The Auto Create button will appear when you have selected the End of Day section for CSI, MetaStock or CompuTrac formats. This button is to automatically create all contracts that are in the Master file (MetaStock, CompuTrac formats) or Qmaster file (CSI format).

When you click this button you will see the window to select the directory of the Master or Qmaster file as on the previous section. Select the directory and then click on the name Master or Qmaster, click the OK button. The Create New Contract window will ask you if you want to create all contracts that are inside the Master or Qmaster file. Choose OK, all Contracts will be created and all plans Daily for these contracts will be created.

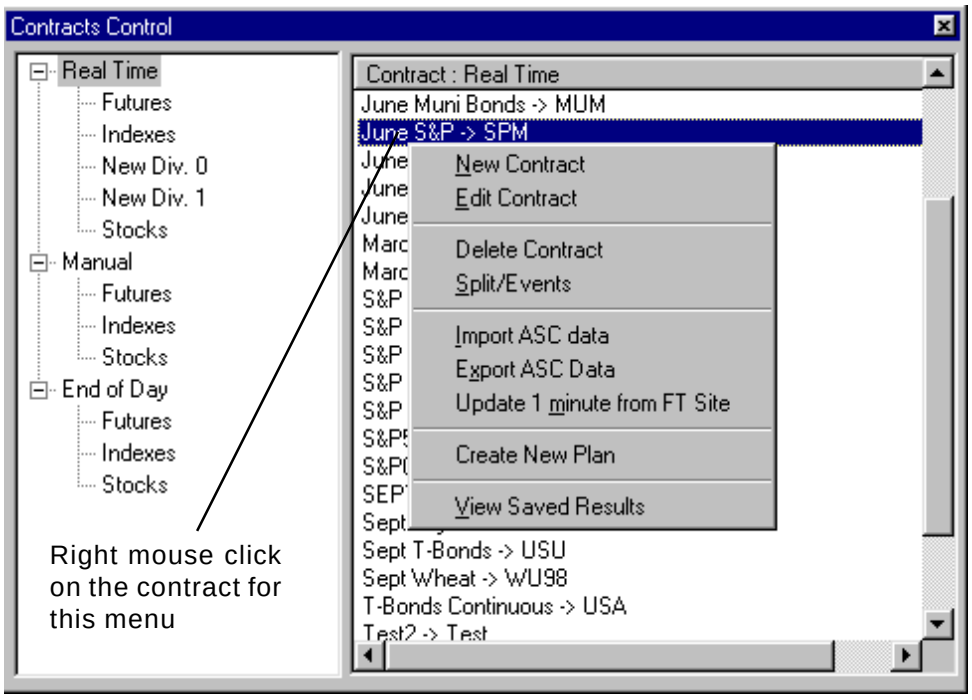




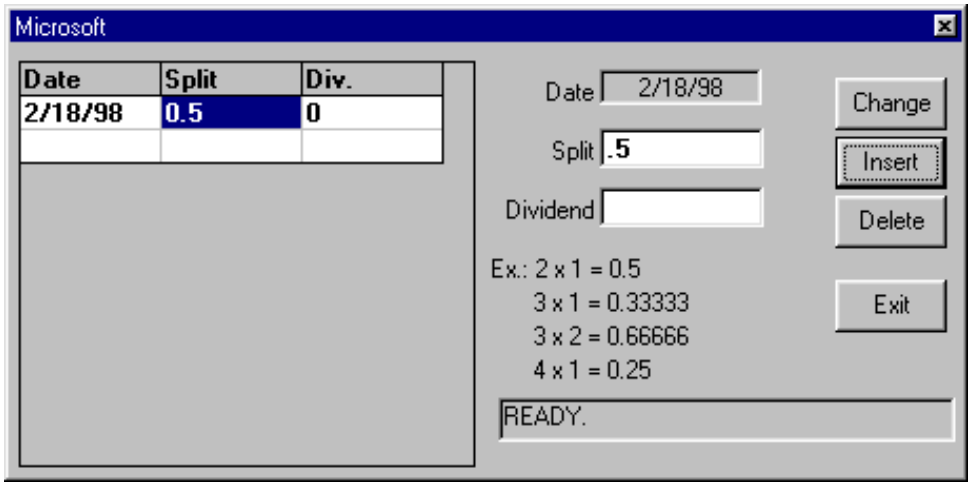


Contracts Control

Select List from the Contracts menu and the window below opens. Left mouse click on each of the the Divisions listed in the three categories and in the right hand window a list of contracts will appear. Here you can drag and drop contracts between divisions.

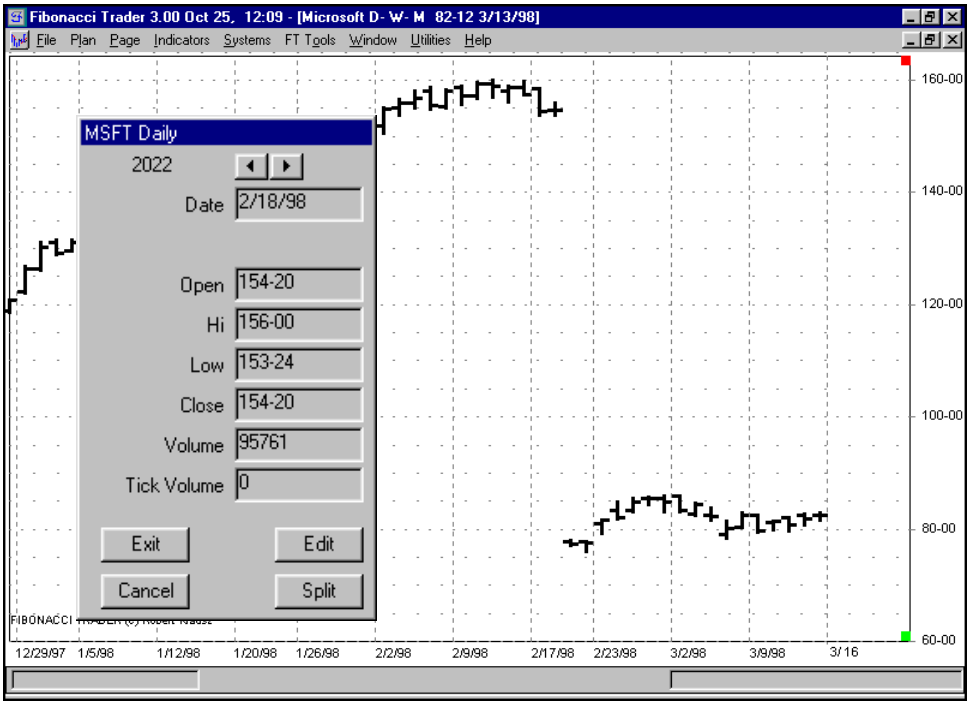


Right mouse click on a contract and the menu shown here opens. You can create new contracts, edit contracts, delete contracts using the previous Contacts window. You can adjust your stock data for splits. You can also import and export ASCII data. Also available is the ability to create New Plans, as well as view the saved results from a system test.



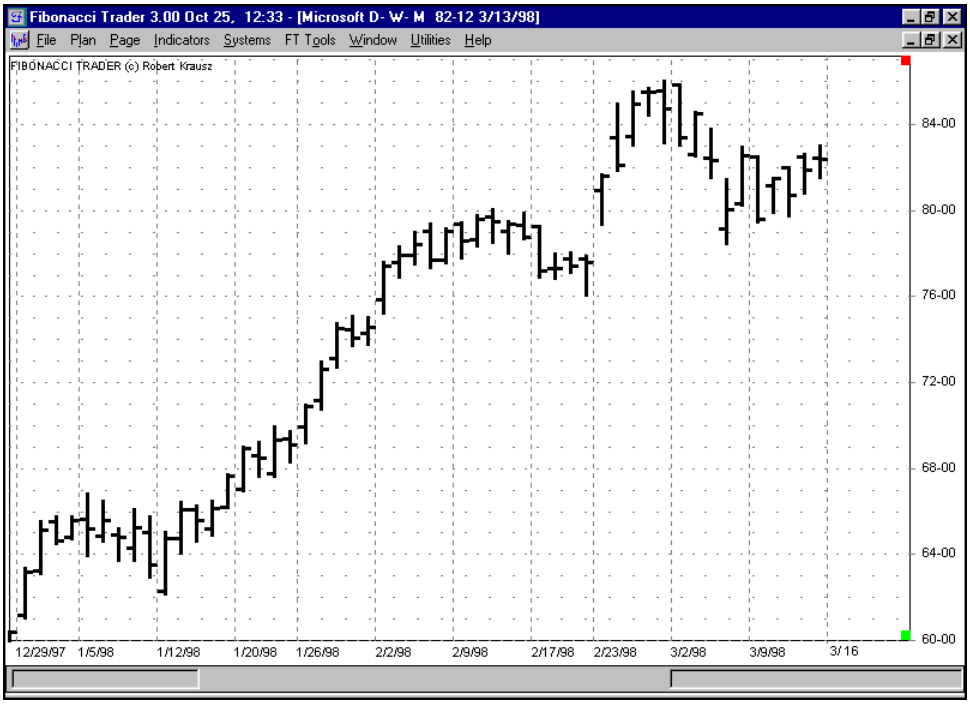
To adjust stock data for a price split select Splits/Events from the menu. The window opens, and you select the last day of trading before the split. Type in the split, such as 2 for 1, then enter.5. Click Insert and then exit. If you make an error, then select from

the table the incorrect entry, make the changes and click change. Or if you want to delete the entry click on Delete. An example of a stock split is below. Microsoft had a 2 for 1 split with the split occuring on 2/19/98. The Split/Events window on the previous page shows the changes made to the data, and the next two charts show the results.



Another method to enter a split is to right mouse click on the bar before the split. The Edit Window will open and you introduce the split by clicking on the Split button.

A dividend is entered in the same fashion. Use the Splits/Events window. Dividends must be entered in decimal format.



Again if there is an error then select the data from the table and click on Delete.

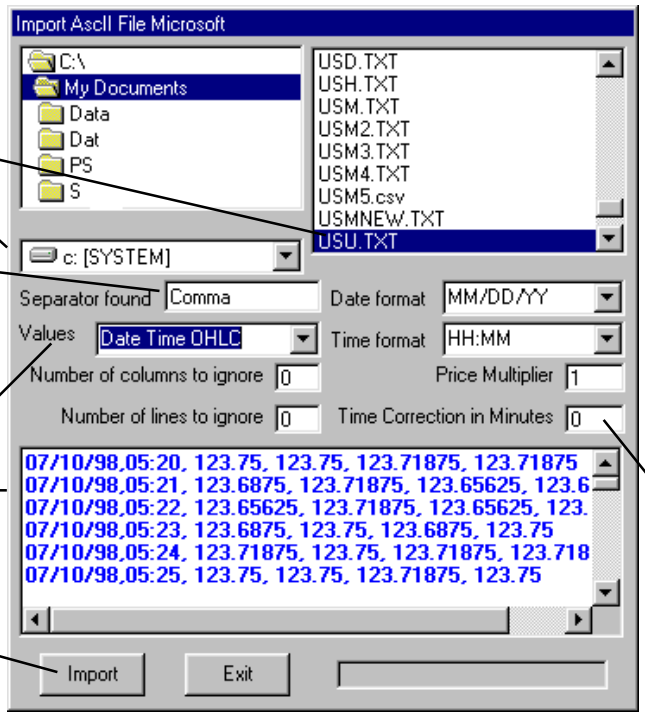
To import ASCII data select the contract from the Contracts Control window, right click on the contract, and select Import Data from the menu. Import data from the Select List from the Contracts menu and the window below opens. Follow the instructions for importing the data.

1) Search for the file on your hard drive using the drive selector and select the file.

2) The program should recognize the type of text file, tab or comma seperated.

5) Verify that the columns match the format selected.

6) Click Import, and all plans are updated.

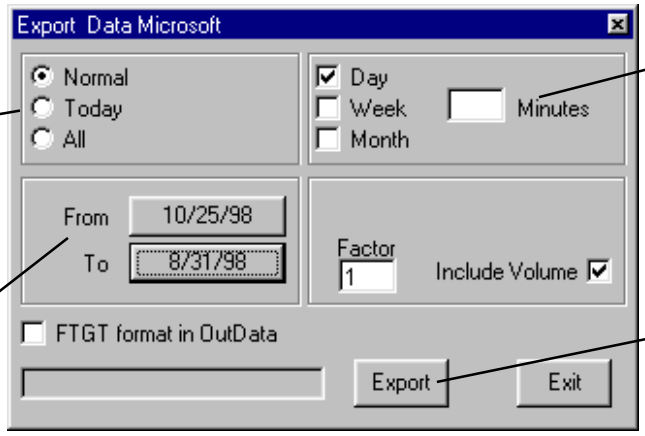


3) The program should recognize the date format and time format, if not then select the proper format. If the time of the trading does not match your contracts time then you can

4) If the time of the trading does not match your contracts time then you can adjust the time by adding or subtracting minutes.

1) Select the amount of data, today's only or all data.

3) Select the dates, by clicking on From and To. A calender will open.



2) Select daily,weekly, monthly or for intraday data the bar format from one minute bars or higher. You can adjust the time between two time zones

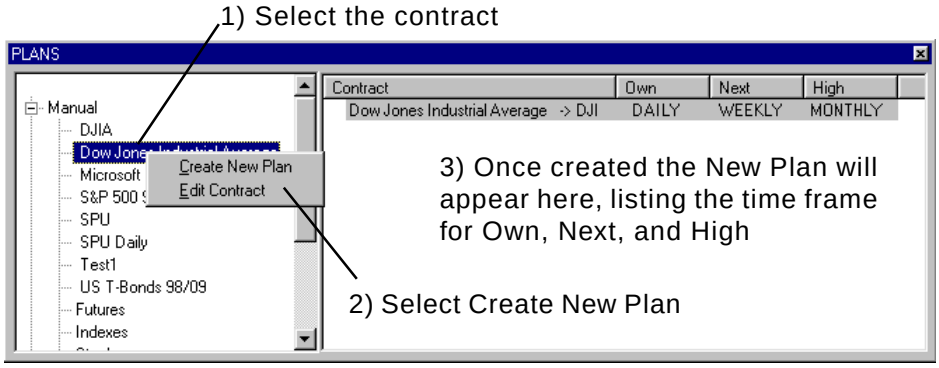
4) Click on Export, and wExit when finished.

To export ASCII data select the contract from the Contracts Control window, right click on the contract, and select Export Data from the menu. Follow the instructions above.

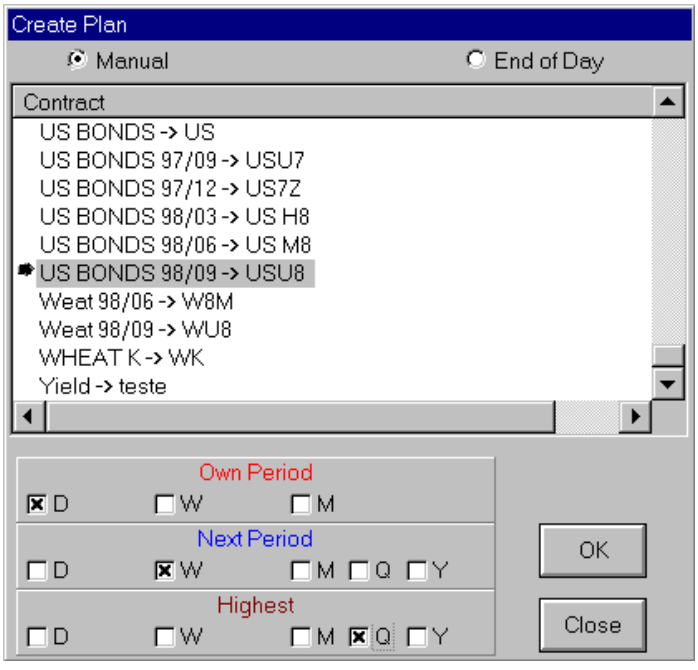
PLANS

PLANS

Most programs provide you with a chart that is limited to one time frame. With the Fibonacci Trader all charts are called Plans because of the unique ability to view the market's actions and all indicators in different time frames on the same screen. Each plan has three time periods. The first, that is the time frame you are trading is called "Own," the next higher time frame, which sets the trend and other key information is called "Next.". The highest time frame is called "High" and usually is referred to for the long term trends. Typical Plans will be Daily/Weekly/Monthly .



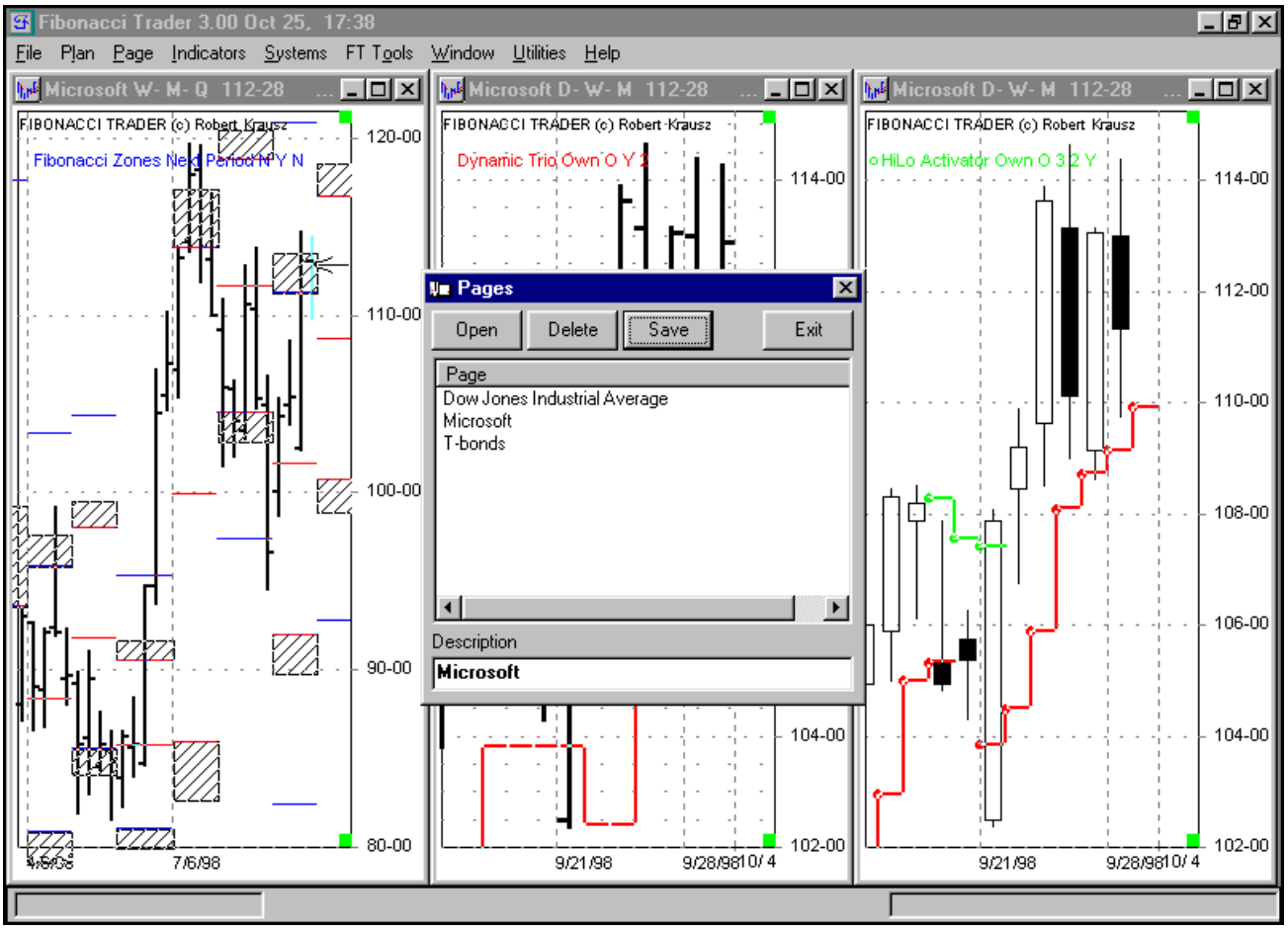
How might you use this? For example, you could view the daily bars with your favorite moving average, and plot the weekly moving average (calculated from Friday's close to Friday's close) plotted on the same chart. You do not have to switch from a daily chart to a weekly chart. The best opportunities are the Fibonacci Trader's exclusive set of indicators which take full advantage of the powerful multiple time frame trading concept.



Click on Plan on the Main menu and the window above opens. Left click on the contract in the left window and you can either Edit the contract or select Create New plan. Select the type of contract, Manual or End of Day. Then select the contract for the new plan.

PAGE

As you develop your Plans, you may create a group of Plans that you refer to on a regular basis. With the Fibonacci Trader you can create Pages. Set up your collection of Plans, and then click on Pages from the Main Menu. The window in the center of the charts below will appear. In the Description box type in the name that you want to call the collection of pages. Click on Save and this collection will be avaiable to open at a later time.

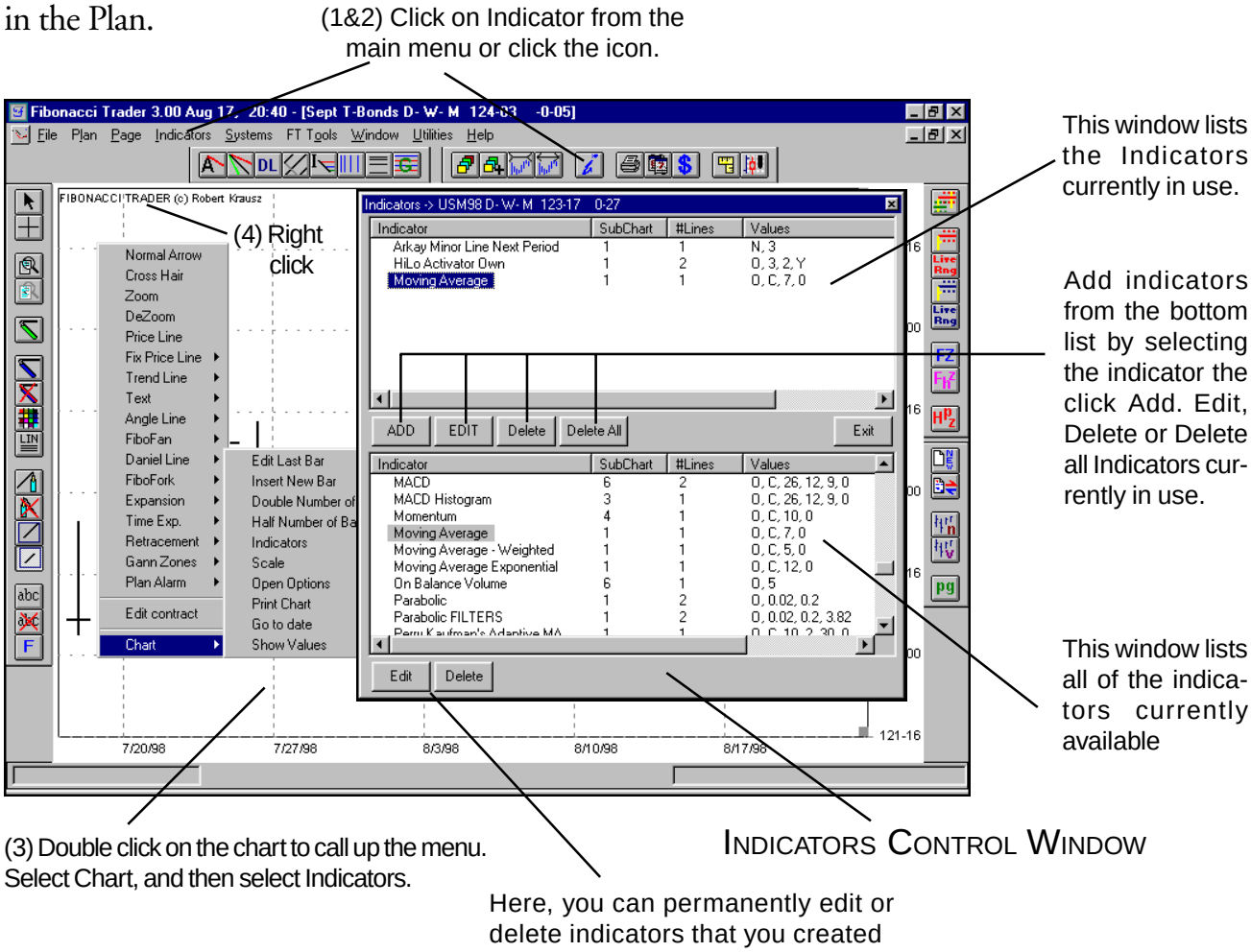


When you want to reopen the page just select the name and click on Open. To delete pages simply select the name of the page and click on delete. This step will delete only the page, the plans will not be deleted.

INDICATORS

INDICATORS CONTROL WINDOW

This control window can be accessed four different ways. (1)Left click on Indicators on the Main Menu. (2)Left click on the Indicator icon, (3)double left click on the chart to open the menu window, and select Chart, hold and then select Indicators. 4) Right click on the Fibonacci Trader in the Plan.

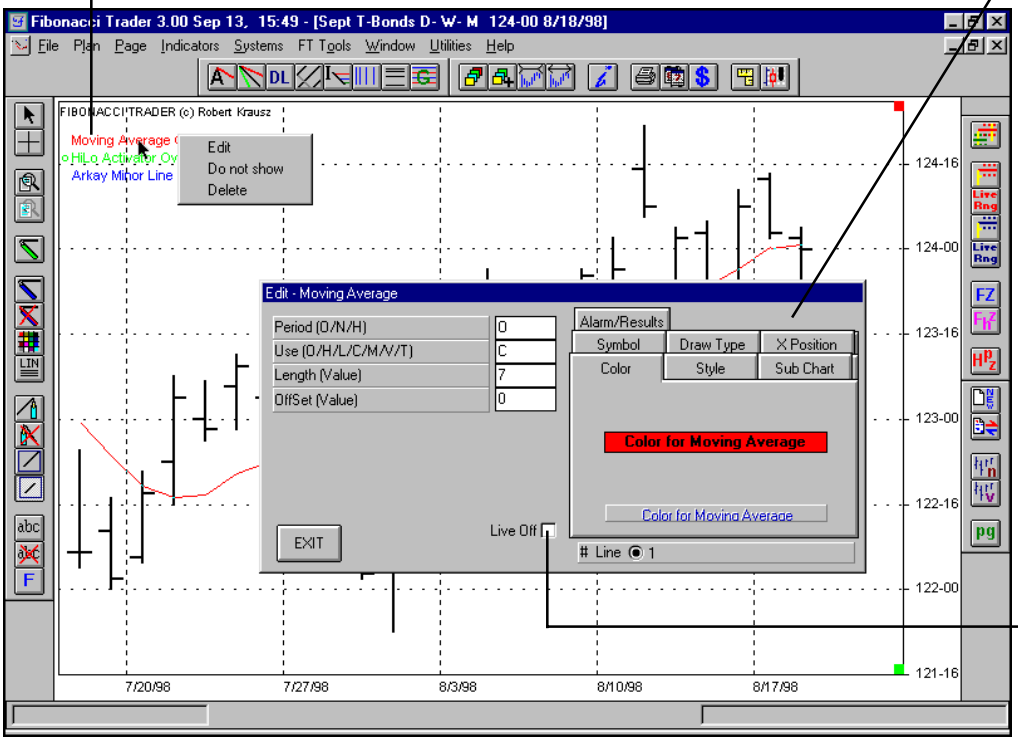


Let's say you decided to add the Moving Average indicator to your list of currently used indicators. Select Moving Average from the Indicator List, and then click Add. The Moving Average will appear in the upper window. Notice that there are three columns next to the name. The first is SubChart, which states which window the moving average will be plotted

in. In this case, SubChart 1 which is the main window will display the moving average. The next column is #Lines. Here, the fact that the Moving Average is a single plot line is indicated. Finally, the Values column lists the criteria for the moving average. You can edit the values by selecting Moving Average in the Active window list and then click Edit or you can click Exit and see the Moving Average plotted on the chart. Look to the top left of the chart and you can see the list of current indicators in use. Left click on one, here the Moving Average is selected, and a small window appears. You can edit the indictor, hide the indicator or delete the indicator. If you select Edit, the Edit Indicator window appears.

Left click on the name of the indicator for the option to edit, do not show or delete.

EDIT INDICATOR WINDOW

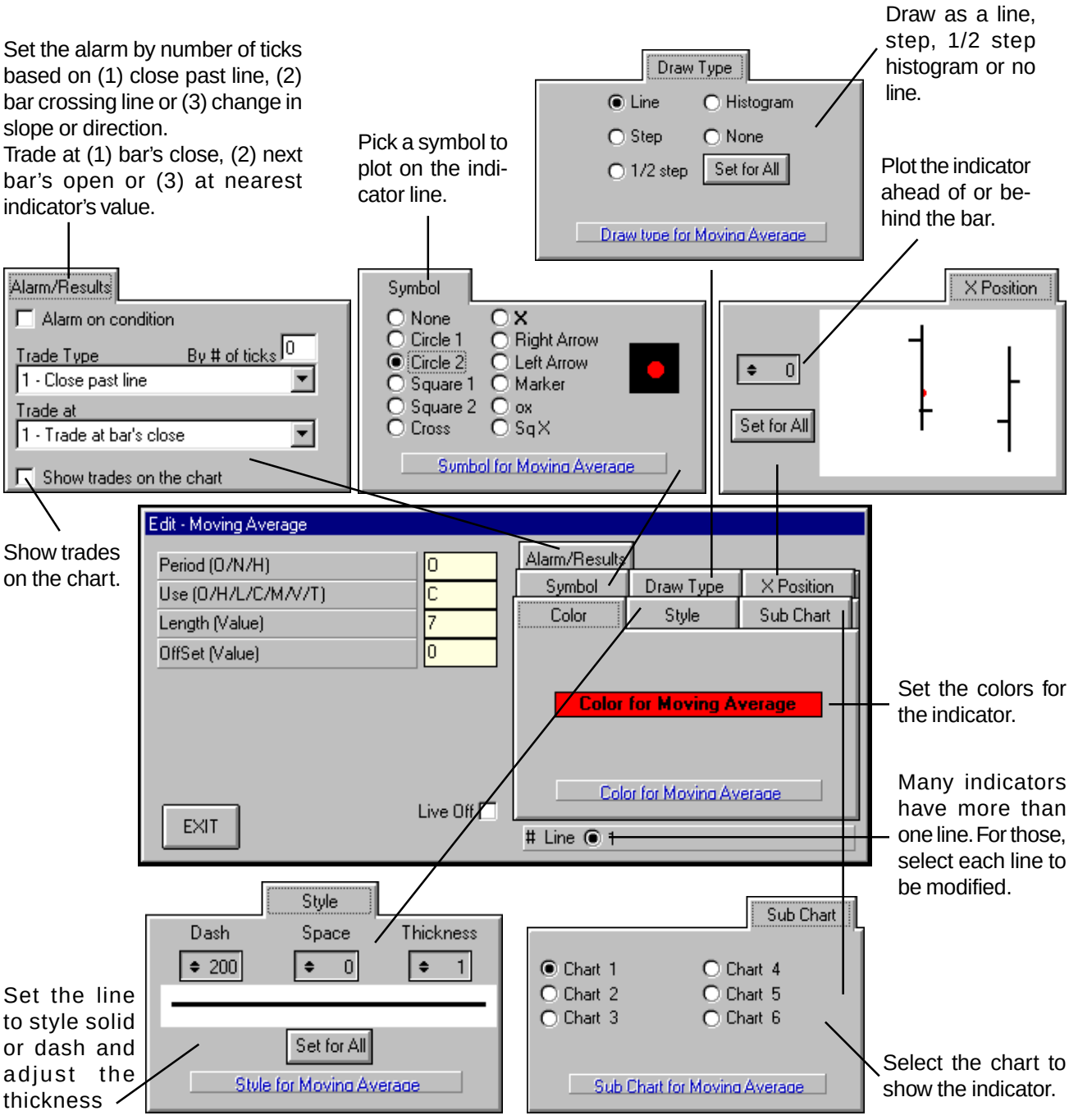


Click Live Off and the Real time plan will not show the live calculation of the indicator

From the Edit window you can change the parameters based on the table below:

Period (O/N/H)	Select which time period to calculate and plot: Own, Next or High.
Use (O/H/L/C/M/V/T)	Calculation based on: Open, High, Low, Close, Medium Point, Volume or Tick volume.
Length (Value)	Number of bars used in the calculation.
OffSet (Value)	This is the number of bars to offset forward.
Y/N	Some indicators have additional criteria which you can toggle on (Y) or off (N).

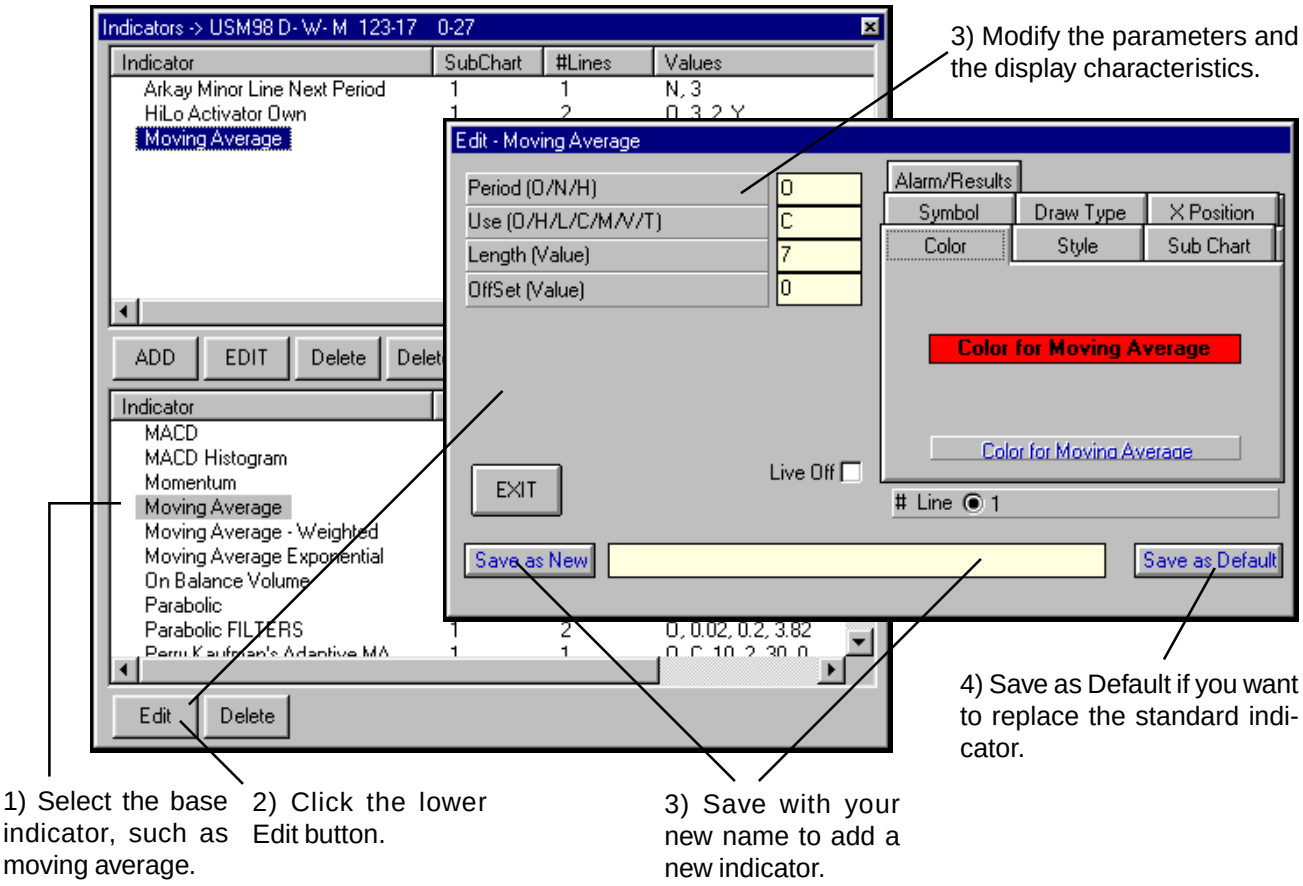
Besides the parameters, you can set the alarm and adjust the way the indicator is displayed.



The options shown above give you the opportunity to display your indicators in a form not found in any other program. The key feature is the multiple time frame option based on the period selected by you. On any chart you can show an indicator's plot based on the own, next or higher time frame. Examples of this feature will be shown in examples to follow.

Creating New Indicators

Select an indicator that will be the basis for your new indicator. For example, if you wanted to create a moving average with a particular look back period that you use on a regular basis then follow the steps below.

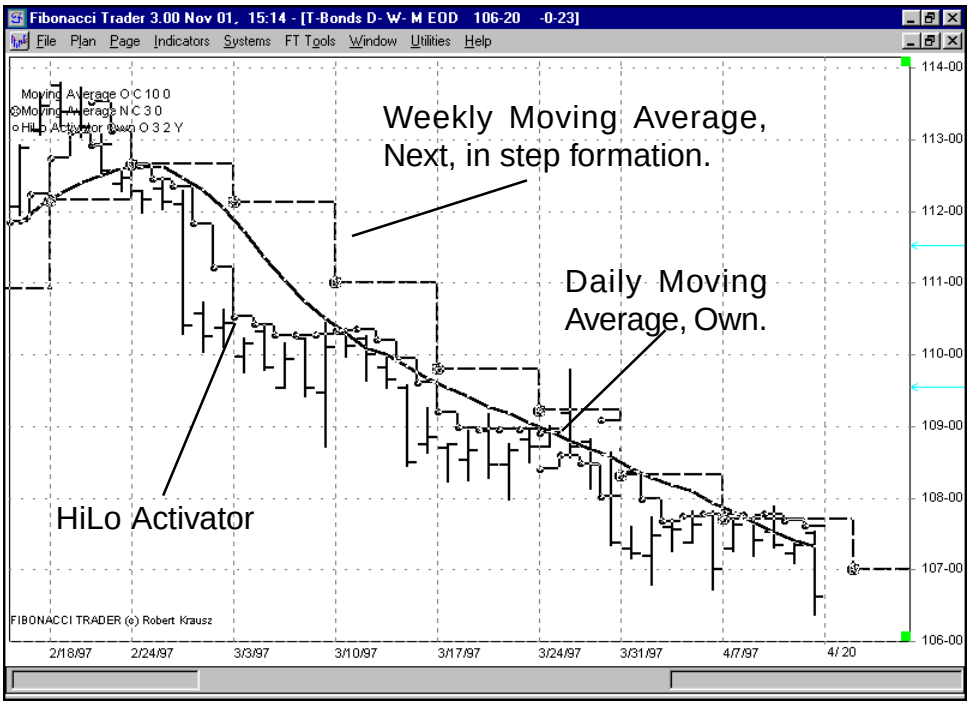


You can select "Save as New" and create a new indicator or you can "Save as Default" and this will be the set paramters for this indicator.

The Delete Button can only be applied to indicators created by you. Indicators that come with the Fibonacci Trader cannot be deleted. Select the indicator that you wish to delete and then click on Delete at the bottom of the window. Click OK to confirm that you wish to delete the indicaotor.

Fibonacci Trader Indicators

When you first look to the Fibonacci Trader to plot indicators in your plans you will find most indicators found in other trading platforms, as well as indicators found no where else. The uniqe and powerful opportunity is the Fibonacci Trader's ability to use multiple time frame applications. Therefore, you should first look at your favorite indicators that you have worked with in the past, except here, apply your analysis using multiple time frames. For example, if you use moving averages, then use your favorite moving average as the Own indicator, and the weekly moving average in step formation as the Next indicator.



The chart shown here has a 10 day moving average, and a 3 week moving average. Then the HiLo Activator was added. You can see that the Weekly moving average steps down with the trend, as well as the slop of the 10 day moving average is clearly down. The HiLo Activator can be used as your trailing stop.

On the next page you will find a list of all of the indicators, both standard and special available in the Fibonacci Trader. Experiment and find the indicators that work the best for you. For more information consider our book, A W.D. Gann Treaure Discovered, as well as the Fibonacci Trader Journal.

Standard Indicators

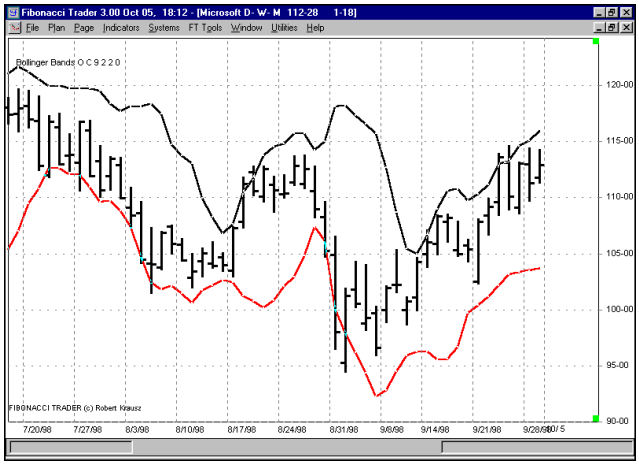
Bollinger Bands
Bollinger Bands Differential
Commodity Channel Index
Directional Movement Index
Directional Movement Index
Ease of Movement
Efficiency Ratio
Envelope
Keltner Channel
Least Squares Slope
Least Squares
Moving Average Convergence-Divergence
MACD Histogram
Momentum
Simple Moving Average
Exponential Moving Average
Weighted Moving Average
On Balance Volume
Parabolic
Parabolic Filters
Perry Kaufman Adaptive MA
Perry Kaufman Adaptive MA Bands
Pivot Point Channel
Plan Line
Price Channel
Price Volume
Rate of Change
Ratio Oscillator
Relative Strength Index
Relative Strength
Stochastics
Stochastics RSI
True Range Average
True Strength Index
Volatility
Volatility Stop
Volume
Volume Accumulation Oscillator
Volume Price Trend
Volume Reversal
Williams %R
Williams A/D Oscillator
Williams Variable Accumulation

Special Indicators

Arkay Minor Line Next
Arkay Minor Line Own
Arkay Swing Chart Next
Arkay Minor Line Next
Arkay Minor Line Own
Arkay Swing Chart Next
Arkay Swing Chart Own:
Balance Point Next
Balance Step Next
Balance Step Own
Danton Stop
Directional Volatility Next 1.382
Directional Volatility Next 1.618
Directional Volatility Next 2.382
Double Hi-Lo Point High
Double Hi-Lo Point Next
Double Hi-Lo Point Own Step
Dynamic Balance Point Own
Dynamic BP Step Next:
Dynamic BP Oscillator
Dynamic Fibonacci Channel
Dynamic FiboZone1 High
Dynamic FiboZone1 Next
Dynamic FiboZone2 Next:
Dynamic Trio Next
Dynamic Trio Own
Fast Point Switch
Fibonacci Channel
Fibonacci Zone Channel High
Fibonacci Zones High Period
Fibonacci Zones Next Period
Gann Swing Chartist Next
Gann Swing Chartist Own
High Probility Zones
HiLo Activator High
HiLo Activator Next
HiLo Activator Own
Hi-Lo Bands High
Hi-Lo Bands Next
Hi-Lo Bands Own
Krausz Ratio Bands Own
Krausz Ratio Bands Next
Triple Switch High
Triple Switch Next
Triple Switch Own

Bollinger Bands: Created by John Bollinger, this envelope uses standard deviation to plot the lines above (***Dev. Up***) and below (***Dev. Down***) a moving average (***Length***). The moving average can be of the Open, High, Low, Close, Medium Point, Volume or Tick Volume, as well as based on the Own, Next or High period bars.

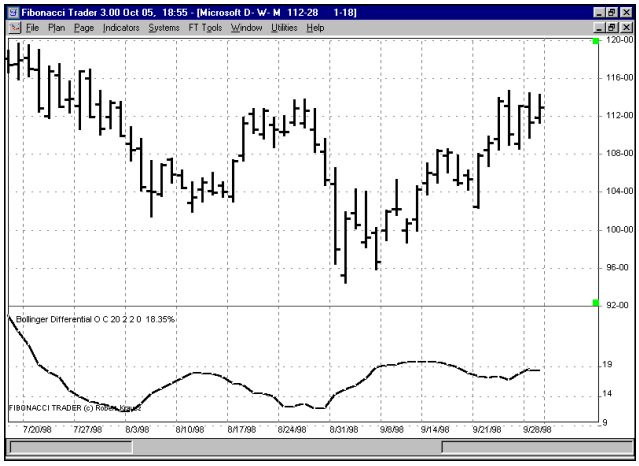
Inputs	Default	
Period (O/N/H)	O	
Use (O/H/L/C/M/V/T)	C	
Length (Value)	9	
Dev.Up (Value)	2	
Dev.Down (Value)	2	
OffSet (Value)	0	
Line Number	1	2
Color	Cyan	Red
Style	Solid	Solid
Sub Chart	1	
Draw Type	Line	
X Position	0	
Symbol	None	



Bollinger Bands

Bollinger Bands Differential: This indicator plots the difference between the upper and lower Bollinger Bands.

Inputs	Default
Period (O/N/H)	O
Use (O/H/L/C/M/V/T)	C
Length (Value)	9
Dev.Up (Value)	2
Dev.Down (Value)	2
OffSet (Value)	0
Line Number	1
Color	Cyan
Style	Solid
Sub Chart	1
Draw Type	Line
X Position	0
Symbol	None



Bollinger Bands Differential

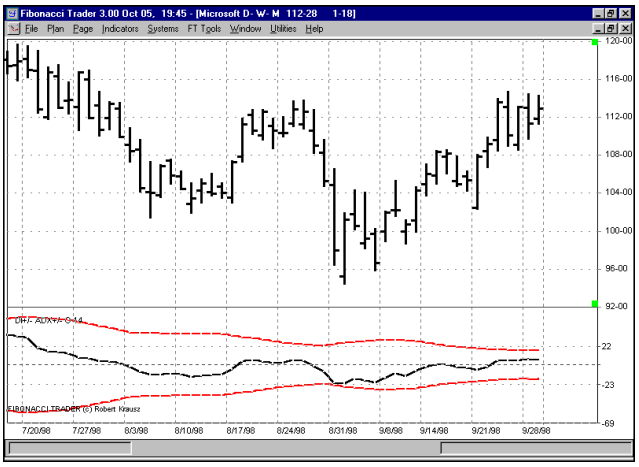
Commodity Channel Index: The CCI, developed by Donald R. Lambert, is a price momentum indicator. You can plot the CCI of the Open, Hi, Low, Close, Medium Point, Volume or Tick Volume (O/H/L/C/M/V/T). The CCI can be based on the Own, Next or High period bars.

Inputs	Default
Period (O/N/H)	O
Use (O/H/L/C/M/V/T)	M
Length (Value)	9
OffSet (Value)	0
Line Number	1
Color	Light Red
Style	Solid
Sub Chart	4
Draw Type	Line
X Position	0
Symbol	None

Commodity Channel Index

Directional Movement Index: The DMI was developed by J.Welles Wilder. The DI+ measures the upward trend tendency, the DI- measure the downward trend tendency, and the ADX averages the directional mocement. You can plot the DMI based on the Own, Next or High period bars.

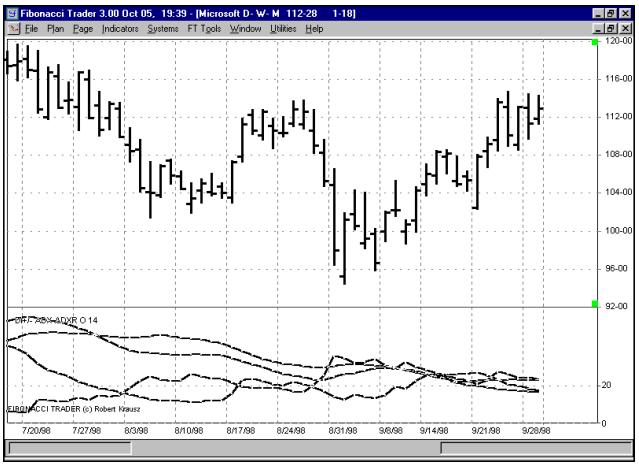
Inputs	Default
Period (O/N/H)	O
Length (Value)	14
Line Number	1, 2, 3,
Color	Blue, Red, White
Style	Solid
Sub Chart	5
Draw Type	Line
X Position	0
Symbol	None



Directional Movement Index

Directional Movement Index: This version includes tjhe ADXR which is an average of the ADX.

Inputs	Default
Period (O/N/H)	O
Length (Value)	14
Line Number	1, 2, 3, 4
Color	Blue, Red, White, Green
Style	Solid
Sub Chart	5
Draw Type	Line
X Position	0
Symbol	None



Directional Movement Index

Ease of Movement: Developed by Richard W. Arms, this momentum indicator is based on price and volume. You can plot the Ease of Movement Value of ***Length*** bars based on the Own, Next or High period bars.

Inputs	Default
Period (O/N/H)	O
Length (Value)	14
Line Number	1
Color	Dark Magenta
Style	Solid
Sub Chart	6
Draw Type	Line
X Position	0
Symbol	None

Ease of Movement

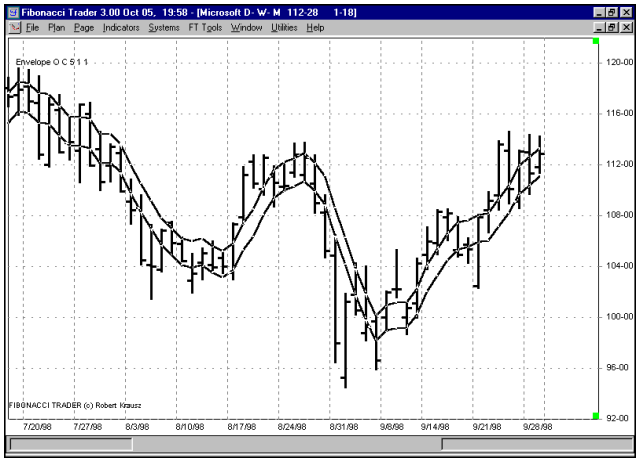
Efficiency Ratio: Efficiency Ratio is a combination of direction and volatility, ER = direction/volatility. You can plot the Efficiency Ratio of the Open, Hi, Low, Close, Medium Point, Volume or Tick Volume (O/H/L/C/M/V/T). You can plot the Efficiency Ratio of ***Length*** bars based on the Own, Next or High period bars.

Inputs	Default
Period (O/N/H)	O
Use (O/H/L/C/M/V/T)	C
Length (Value)	10
OffSet (Value)	0
Line Number	1
Color	Light Red
Style	Solid
Sub Chart	3
Draw Type	Line
X Position	0
Symbol	None

Efficiency Ratio

Envelope: Envelope is based on the moving average of ***Length*** plotted ***with a % Up*** line above the moving average and ***% Down*** line below the moving average. The Envelope can be based on a moving average of the Open, High, Low, Close, Medium Point, Volume or Tick Volume (O/H/L/C/M/V/T). You can plot the Envelope based on ***Length*** bars of the Own, Next or High period bars.

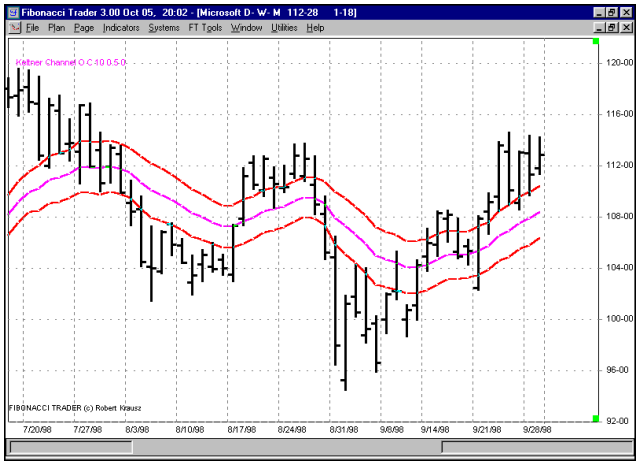
Inputs	Default	
Period (O/N/H)	O	
Use (O/H/L/C/M/V/T)	C	
Length (Value)	5	
% Up (Value)	1	
% Down (Value)	1	
Line Number	1	2
Color	Green	Red
Style	Solid	Solid
Sub Chart	1	1
Draw Type	Line	Line
X Position	0	0
Symbol	None	None



Envelope

Keltner Channel: Based on a moving average of ***Length*** bars and on the volatility of ***Length*** bars true range. The Keltner Channel can be based on the Open, Hi, Low, Close, Medium Point, Volume or Tick Volume (O/H/L/C/M/V/T). You can plot the Keltner Channel based on ***Length*** bars of the Own, Next or High period bars.

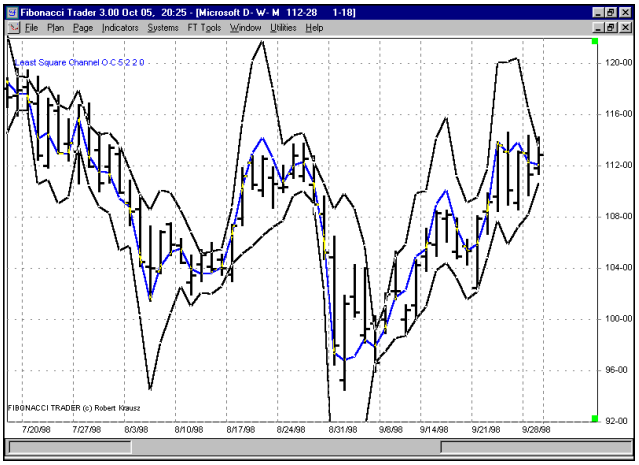
Inputs	Default		
Period (O/N/H)	O		
Use (O/H/L/C/M/V/T)	C		
Length (Value)	10		
Constant (Value)	0.5		
OffSet (Value)	0		
Line Number	1	2	3
Color	Magenta,	Red ,	Red
Style	Dashed	Solid	Solid
Sub Chart	1		
Draw Type	Line		
X Position	0		
Symbol	None		



Keltner Channels

Least Squares Channel: Indicator calculates the theoretical value using the Least Squares method for ***Length*** bars back, then the standard deviation to draw the upper and lower lines. You can plot the LSC based on the Open, Hi, Low, Close, Medium Point, Volume or Tick Volume. The LSC can be based on ***Length*** bars of the Own, Next or High bars.

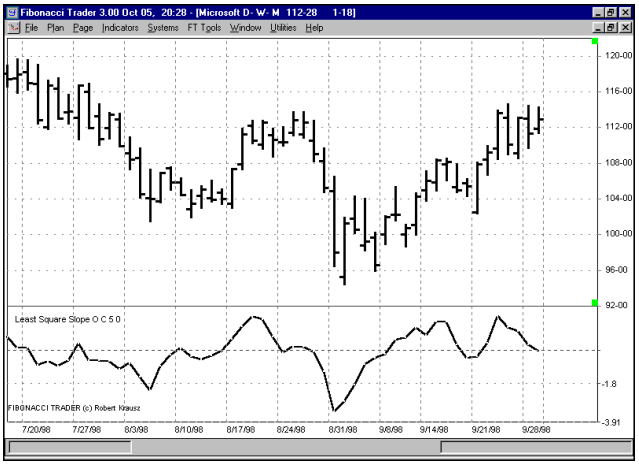
Inputs	Default
Period (O/N/H)	O
Use (O/H/L/C/M/V/T)	C
Length (Value)	5
Dev.Up (Value)	2
Dev.Down (Value)	2
OffSet (Value)	0
Line Number	1 2 3
Color	Blue, Yellow, Yellow
Style	Dashed, Solid, Solid
Sub Chart	1
Draw Type	Line
X Position	0
Symbol	None



Least Squares Channel

Least Squares Slope: Using the Least Squares Method this indicator shows the degree of slope of the best fit trend line using ***Length*** bars back. You can plot the Least Squares based on the Open, Hi, Low, Close, Medium Point, Volume or Tick Volume . You can plot the Least Squares slope based on ***Length*** bars of the Own, Next or High period bars.

Inputs	Default
Period (O/N/H)	O
Use (O/H/L/C/M/V/T)	C
Length (Value)	5
OffSet (Value)	0
Line Number	1
Color	Light Cyan
Style	Dashed
Sub Chart	3
Draw Type	Line
X Position	0
Symbol	None



Least Squares Slope

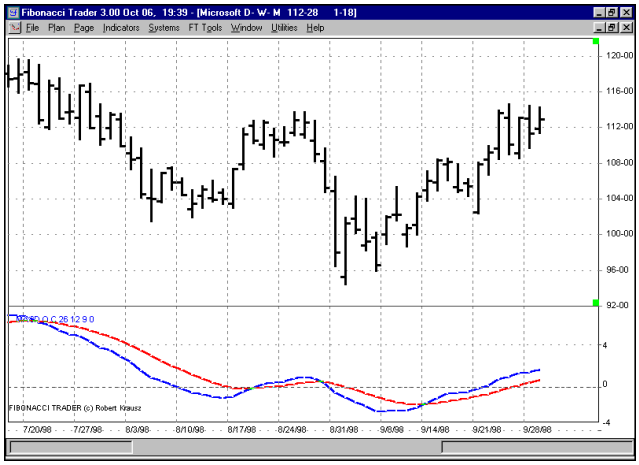
Least Squares: Using the Least Squares Method this indicator calculates the theoretical value for that specific bar using ***Length*** bars back. You can plot the Least Squares based on the Open, Hi, Low, Close, Medium Point, Volume or Tick Volume . You can plot the Least Squares based on ***Length*** bars of the Own, Next or High period bars.

Inputs	Default
Period (O/N/H)	O
Use (O/H/L/C/M/V/T)	C
Length (Value)	5
OffSet (Value)	0
Line Number	1
Color	Light Cyan
Style	Dashed
Sub Chart	3
Draw Type	Line
X Position	0
Symbol	None

Least Squares

Moving Average Convergence-Divergence: The MACD is a price momentum indicator created by Gerald Appel. The difference between two exponential moving averages is the MACD line, and an additional line, the signal line is a 9 period moving average of the MACD. The MACD can be based on the Open, Hi, Low, Close, Medium Point, Volume or Tick Volume. You can plot the MACD based on bars of the Own, Next or High period.

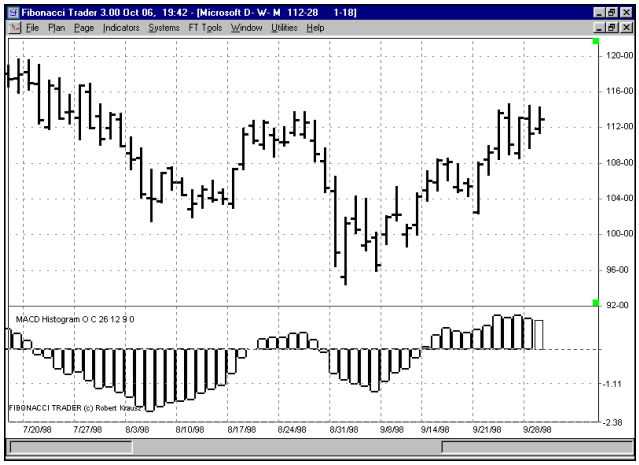
Inputs	Default	
Period (O/N/H)	O	
Use (O/H/L/C/M/V/T)	C	
Length Avg1 (Value)	26	
Length Avg2 (Value)	12	
Length Slow (Value)	9	
OffSet (Value)	0	
Line Number	1	2
Color	Blue	Red
Style	Solid	Solid
Sub Chart	3	
Draw Type	Line	
X Position	0	
Symbol	None	



MACD

MACD Histogram: This is the diferrence between the MACD and the Signal line plotted as a histogram.

Inputs	Default
Period (O/N/H)	O
Use (O/H/L/C/M/V/T)	C
Length Avg1 (Value)	26
Length Avg2 (Value)	12
Length Slow (Value)	9
OffSet (Value)	0
Line Number	1
Color	Blue
Style	Solid
Sub Chart	3
Draw Type	Histogram
X Position	0
Symbol	None



MACD Histogram

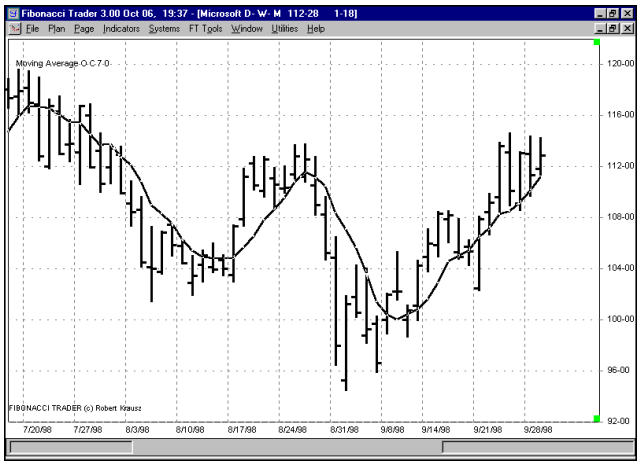
Momentum: The Momentum indicator plots the difference between to day's bar and ***Length*** number of bars back. You can plot the Momentum based on the Open, Hi, Low, Close, Medium Point, Volume or Tick Volume. You can plot the Momentum based on ***Length*** bars of the Own, Next or High period bars.

Inputs	Default
Period (O/N/H)	O
Use (O/H/L/C/M/V/T)	C
Length (Value)	10
OffSet (Value)	0
Line Number	1
Color	Light Cyan
Style	Solid
Sub Chart	4
Draw Type	Line
X Position	0
Symbol	None

Momentum

Simple Moving Average: The Moving Average is an arithmetic average of a value over ***Length*** bars. You can plot the Moving Average based on the Open, Hi, Low, Close, Medium Point, Volume or Tick Volume (O/H/L/C/M/V/T). You can plot the Moving Average based on ***Length*** bars of the Own, Next or High period bars.

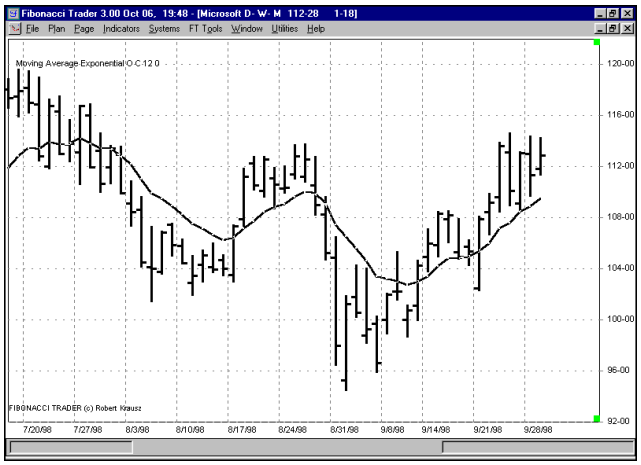
Inputs	Default
Period (O/N/H)	O
Use (O/H/L/C/M/V/T)	C
Length (Value)	7
OffSet (Value)	0
Line Number	1
Color	Light Red
Style	Solid
Sub Chart	1
Draw Type	Line
X Position	0
Symbol	None



Simple Moving Average

Exponential Moving Average: An exponential moving average of ***Length*** bars places more weight on recent data. It apply a percentage of today's value to yesterday's moving average value. You can plot the EMA based on the Open, Hi, Low, Close, Medium Point, Volume or Tick Volume). You can plot the EMA based on ***Length*** bars of the Own, Next or High period bars.

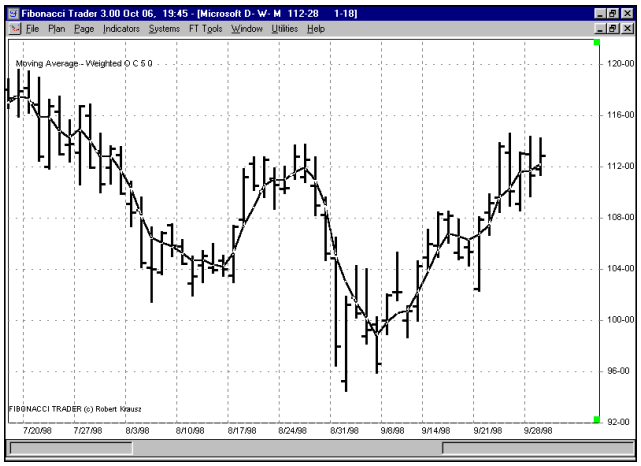
Inputs	Default
Period (O/N/H)	O
Use (O/H/L/C/M/V/T)	C
Length (Value)	12
OffSet (Value)	0
Line Number	1
Color	Light Cyan
Style	Solid
Sub Chart	1
Draw Type	Line
X Position	0
Symbol	None



Exponential Moving Average

Weighted Moving Average: The Weighted Moving Average is a moving average of ***Length*** bars that puts more weight on recent data and less on past data. You can plot the WMA based on the Open, Hi, Low, Close, Medium Point, Volume or Tick Volume. You can plot the WMA based on ***Length*** bars of the Own, Next or High period bars.

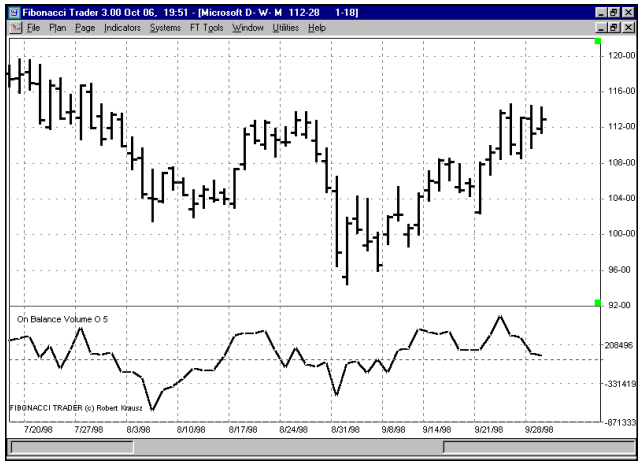
Inputs	Default
Period (O/N/H)	O
Use (O/H/L/C/M/V/T)	C
Length (Value)	5
OffSet (Value)	0
Line Number	1
Color	Light Cyan
Style	Solid
Sub Chart	1
Draw Type	Line
X Position	0
Symbol	None



Weighted Moving Average

On Balance Volume: The On Balance Volume is a cumulative value. If the today's close is greater than yesterday's close you add today's volume to the running sum. If the today's close is less than yesterday's close you subtract today's volume. If the today's close is equal yesterday's close you do not change the OBV value. You can plot the OBV on ***Length*** bars of the Own, Next or High period bars.

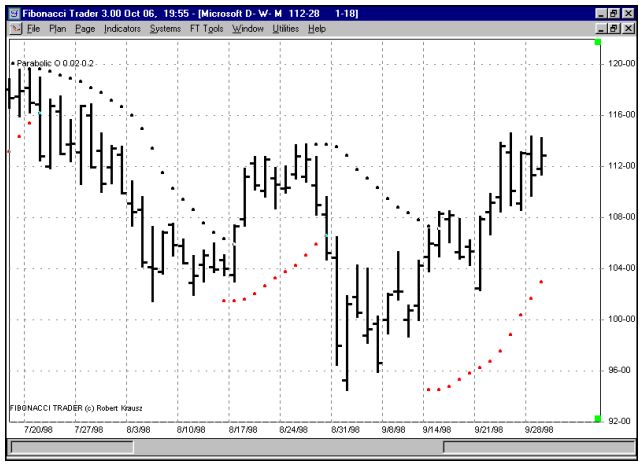
Inputs	Default
Period (O/N/H)	O
Length (Value)	5
Line Number	1
Color	White
Style	Solid
Sub Chart	6
Draw Type	Line
X Position	0
Symbol	None



On Balance Volume

Parabolic: The Parabolic, developed by J. Welles Wilder, is a directional trailing stop & reverse indicator based on an accelerated exponential moving average of the recent highs or lows. It is adjusted by the factor ***Acc. Factor*** and has a maximum factor ***Max. Acc.*** whenever the price makes a new high or low. You can plot the Parabolic based on the Own, Next or High period bars.

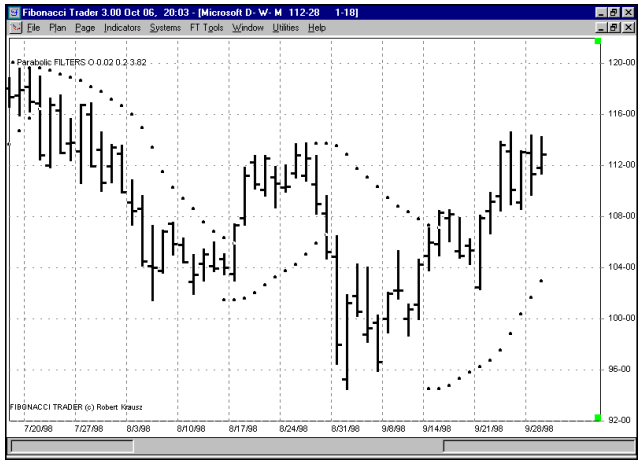
Inputs	Default	
Period (O/N/H)	O	
Acc. Factor (Value)	0.02	
Max. Acc. (Value)	0.2	
Line Number	1	2
Color	Green	Red
Style	Solid	
Sub Chart	1	
Draw Type	None	
X Position	0	
Symbol	Circle 2	



Parabolic

Parabolic Filters: Very similar to the Parabolic. The Parabolic FILTERS has a filter based on the range of previous bars multiplied by the ***Filter*** value. The parabolic must be penetrated by SAR plus this filter to reverse its position. You can plot the Parabolic Filters based on the Own, Next or High period bars.

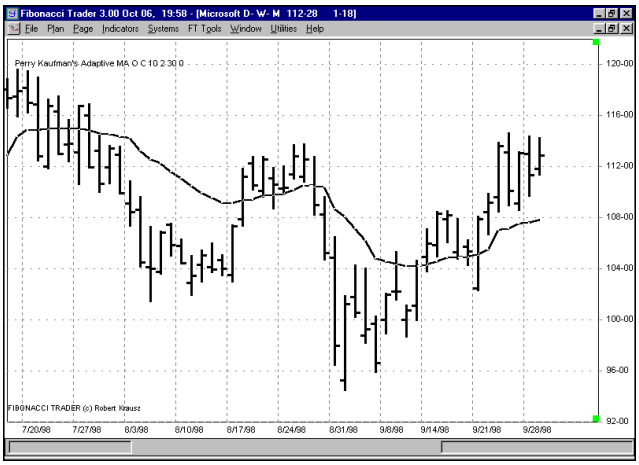
Inputs	Default	
Period (O/N/H)	O	
Acc. Factor (Value)	0.02	
Max. Acc. (Value)	0.2	
Filter (Value)	3.82	
Line Number	1	2
Color	Cyan	Magenta
Style	Solid	Solid
Sub Chart	1	
Draw Type	None	
X Position	0	
Symbol	Circle 2	



Parabolic Filters

Perry Kaufman Adaptive MA: Developed by Perry Kaufman, this indicator is an EMA using an Efficiency Ratio to modify the smoothing constant, which ranges from a minimum of ***Fast Length*** to a maximum of ***Slow Length***. Can be based on the Open, Hi, Low, Close, Medium Point, Volume or Tick Volume. Perry Kaufman's Adaptive MA can be based on the Own, Next or High period bars.

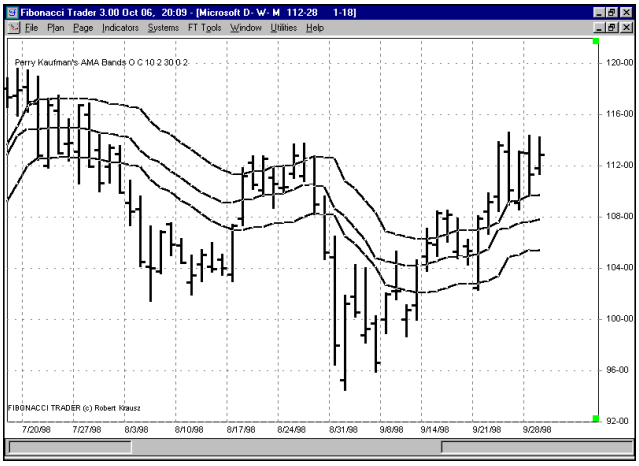
Inputs	Default
Period (O/N/H)	O
Use (O/H/L/C/M/V/T)	C
Length (Value)	10
Fast Length (Value)	2
Slow Length (Value)	30
OffSet (Value)	0
Line Number	1
Color	Light Red
Style	Solid
Sub Chart	1
Draw Type	Line
X Position	0
Symbol	None



Perry Kaufman Adaptive Moving Average

Perry Kaufman Adaptive MA Bands: This is a set of bands plotted above and below the Perry Kaufman MA.

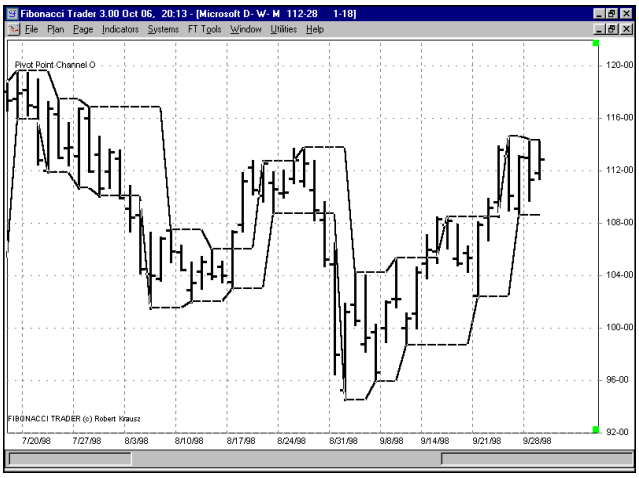
Inputs	Default
Period (O/N/H)	O
Use (O/H/L/C/M/V/T)	C
Length (Value)	10
Fast Length (Value)	2
Slow Length (Value)	30
OffSet (Value)	0
Bands % Value	2
Line Number	1, 2, 3
Color	Red, White, White
Style	Solid
Sub Chart	1
Draw Type	Line
X Position	0
Symbol	None



Perry Kaufman Adaptive MA Bands

Pivot Point Channel: Pivot Point Channel is based on the previous MVP (Maximum Vibration Points or isolated high or low). The upper line is always drawn from the last top MVP and the lower line is always drawn from the last bottom MVP. You can plot the Pivot Point Channel based on the Own, Next or High period bars.

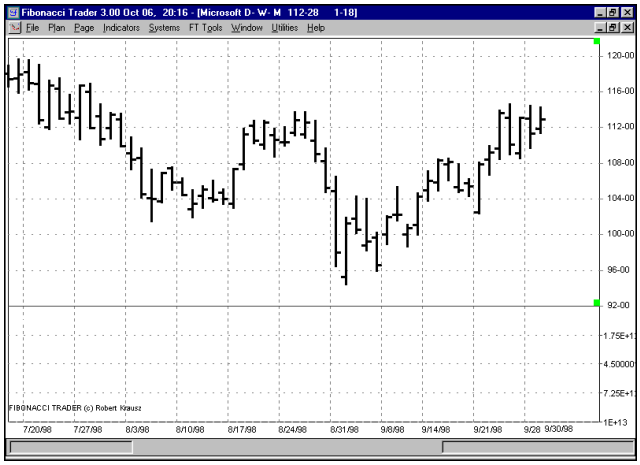
Inputs	Default	
Period (O/N/H)	O	
Line Number	1	2
Color	Cyan	Green
Style	Solid	Solid
Sub Chart	1	
Draw Type	Line	
X Position	0	
Symbol	None	



Pivot Point Channel

Plan Line: Plots the closing price of a different plan in the lower chart.

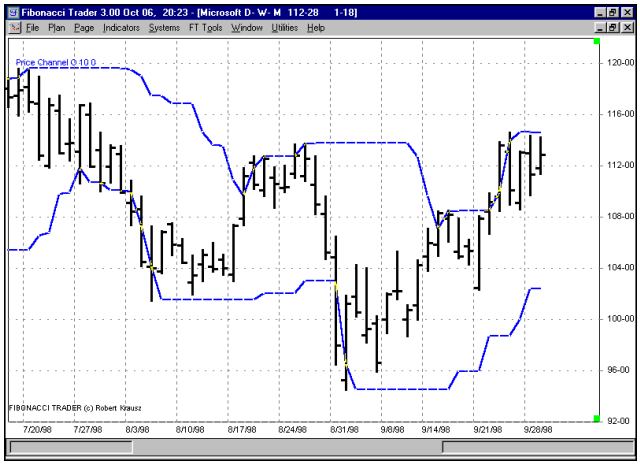
Inputs	Default		
Period (O/N/H)	O		
Use (O/H/L/C/M/V/T)	C		
Length (Value)	8		
Range Length (Value)	5		
Constant (Value)	1.618		
OffSet (Value)	0		
Line Number	1	2	3
Color	Light Blue	White,	White
Style	Dashed,	Dashed,	Dashed
Sub Chart	1	1	1
Draw Type	Step	Step	Step
X Position	0	0	0
Symbol	None	None	None



Plan Line

Price Channel: Price Channel is based the ***Length*** bars High and the ***Length*** bars Low. The upper line is always drawn from the last ***Length*** bars High and the lower line is always drawn from the last ***Length*** bars Low. You can plot the Price Channel based on the Own, Next or High period bars.

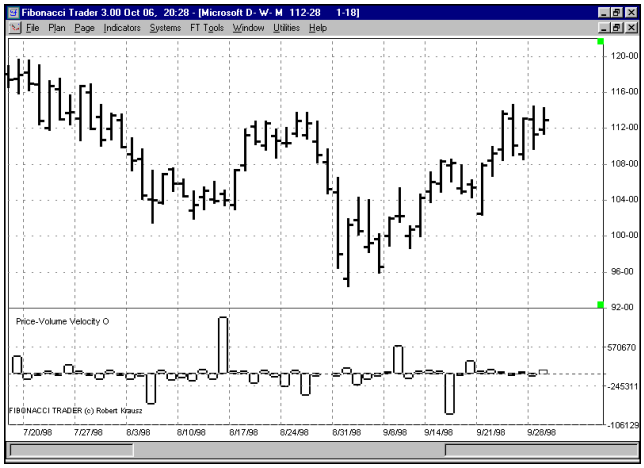
Inputs	Default	
Period (O/N/H)	O	
Length (Value)	10	
OffSet (Value)	0	
Line Number	1	2
Color	Blue	Blue
Style	Solid	Solid
Sub Chart	1	
Draw Type	Line	
X Position	0	
Symbol	None	



Price Channel

Price Volume: A unique indicator that incorporates volume and price.

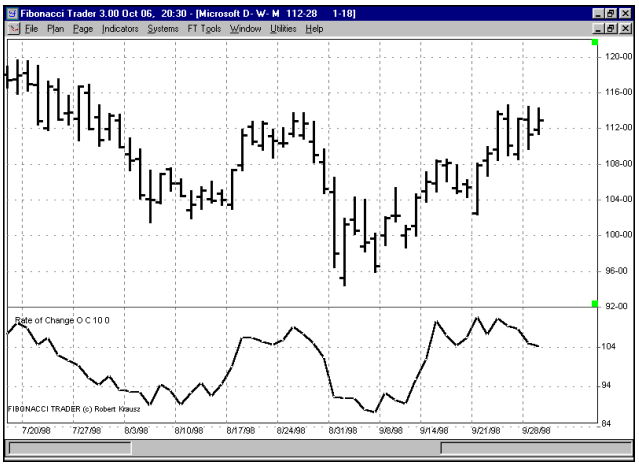
Inputs	Default
Period (O/N/H)	N
Line Number	1, 2, 3, 4, 5
Color	Blue, White, Blue, White, Red
Style	Solid, Dashed, Solid, Dashed, Dashed
Sub Chart	1
Draw Type	1/2 Step
X Position	0
Symbol	None



Price Volume

Rate of Change: Rate of Change is the current value divided by the value of ***Length*** bars ago, and then multiplied by 100. You can plot the Rate of Change based on the Open, Hi, Low, Close, Medium Point, Volume or Tick Volume. You can plot the Rate of Change based on the Own, Next or High period bars.

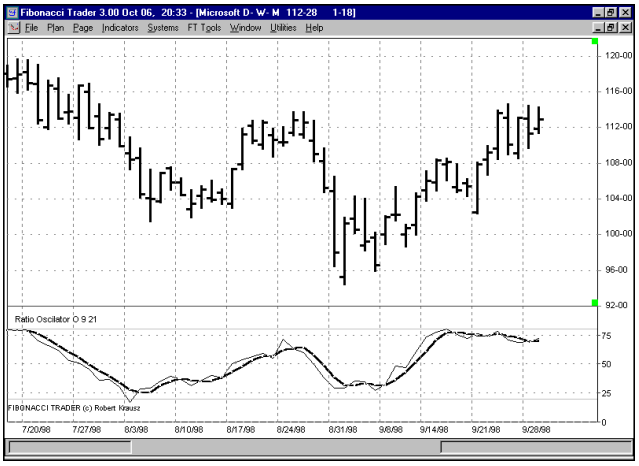
Inputs	Default
Inputs	**Default**
Period (O/N/H)	**O**
Use (O/H/L/C/M/V/T)	**C**
Length (Value)	**10**
OffSet (Value)	**0**
Line Number	**1**
Color	**Light Green**
Style	**Solid**
Sub Chart	**4**
Draw Type	**Line**
X Position	**0**
Symbol	**None**



Rate of Change

Ratio Oscillator: This is a special tool for spotting overbought and oversold levels.

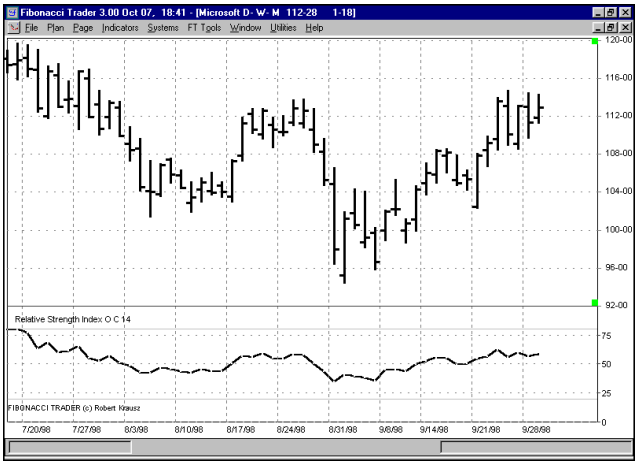
Inputs	Default
Period (O/N/H)	**N**
Flood Zone1 (Y/N)	**Y**
Flood Zone2 (Y/N)	**N**
Line Number	**1, 2, 3, 4, 5**
Color	**Blue, White, Blue, White, Red**
Style	**Solid, Dashed, Solid, Dashed, Dashed**
Sub Chart	**1**
Draw Type	**1/2 Step**
X Position	**0**
Symbol	**None**



Ratio Oscillator

Relative Strength Index: The Relative Strength Index is the normalized smoothed ratio of up changes to down changes over an average of ***Length***. You can plot the Relative Strength Index based on the Open, Hi, Low, Close, Medium Point, Volume or Tick Volume (O/H/L/C/M/V/T). You can plot the Relative Strength Index based on the Own, Next or High period bars.

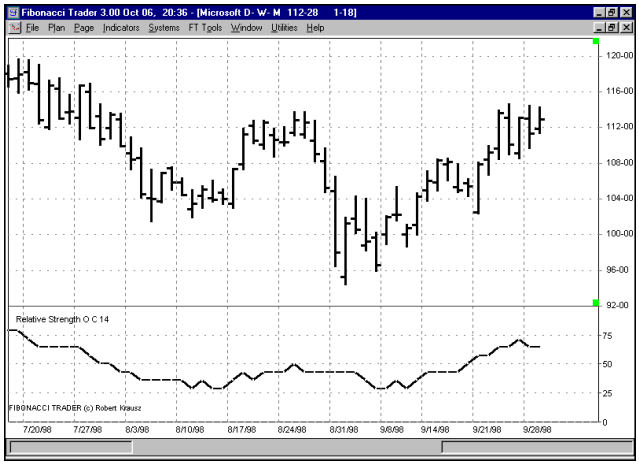
Inputs	Default
Period (O/N/H)	**O**
Use (O/H/L/C/M/V/T)	**C**
Length (Value)	**14**
Line Number	**1**
Color	**Yellow**
Style	**Solid**
Sub Chart	**2**
Draw Type	**Line**
X Position	**0**
Symbol	**None**



Relative Strength Index

Relative Strength: Relative Strength is the total of bars that value was above previous value on ***Length*** bars period, divided by the ***Length*** of bars. You can plot the Relative Strength based on the Open, Hi, Low, Close, Medium Point, Volume or Tick Volume (O/H/L/C/M/V/T). You can plot the Relative Strength based on the Own, Next or High period bars.

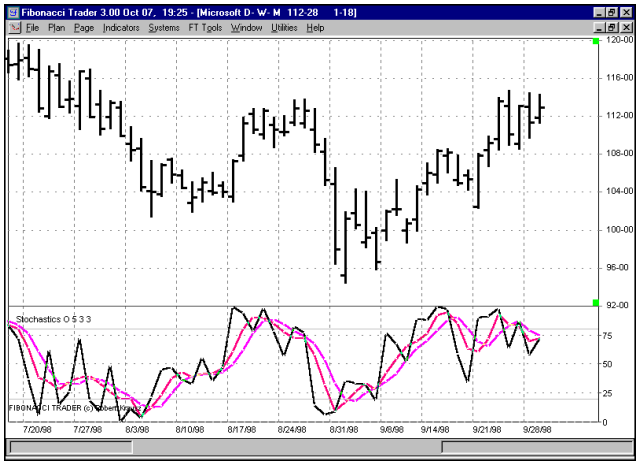
Inputs	Default
Period (O/N/H)	O
Use (O/H/L/C/M/V/T)	C
Length (Value)	14
Line Number	1
Color	White
Style	Solid
Sub Chart	2
Draw Type	Line
X Position	0
Symbol	None



Relative Strength

Stochastics: Stochastics, a momentum indicator created by George C. Lane, compares where a price closed relative to its price range over a period of ***Length*** bars. Stochastics= [(**C** - **L**) / (**H** - **L**)] * 100 where **C** is the latest close, **L** is the ***Length*** period low, **H** is the ***Length*** period High. You can plot the Stochastics based on the Own, Next or High period bars.

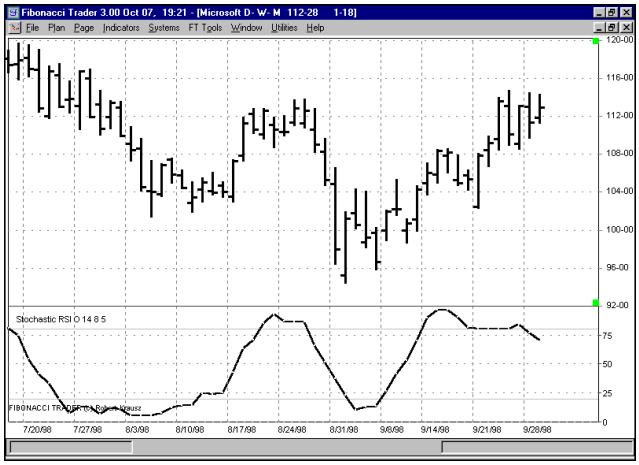
Inputs	Default
Period (O/N/H)	O
Length (Value)	5
Line Number	1 2 3
Color	White, Yellow, Magenta
Style	Solid, Dashed, Dashed
Sub Chart	2
Draw Type	Line
X Position	0
Symbol	None



Stochastics

Stochastics RSI: Plots the placement of RSI within overvbought and oversold levels over a lookback period.

Inputs	Default
Period (O/N/H)	H
Lenght (Value)	3
By Number of Ticks	3
Real Time (Y/N)	Y
Line Number	1 2
Color	Magenta, Light Blue
Style	Solid Solid
Sub Chart	1
Draw Type	Step
X Position	0
Symbol	Circle



Stochastics RSI

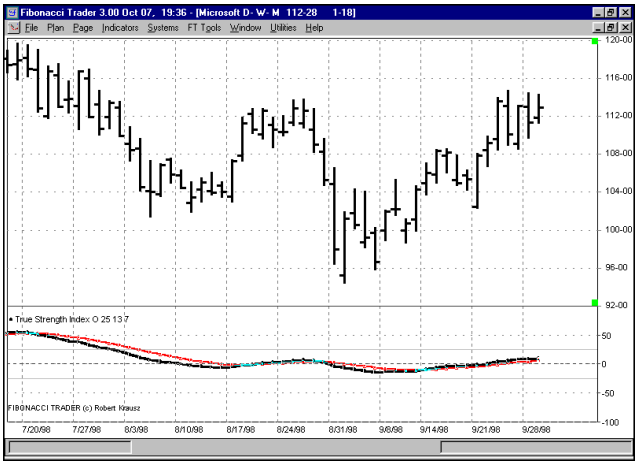
True Range Average: The True Range is the maximum of either Actual bar's High- Today's Low, or Actual bar's High-Close of ***Length*** bars back, or Close of ***Length*** bars back-Today's Low. The True Range Average is a simple moving average of ***Length*** periods of the True Range. You can plot the True Range Average based on the Own, Next or High period bars.

Inputs	Default
Period (O/N/H)	O
Length (Value)	8
Line Number	1
Color	Dark Magenta
Style	Solid
Sub Chart	3
Draw Type	Line
X Position	0
Symbol	None

True Range Average

True Strength Index: Developed by Bill Blau.

Inputs	Default	
Period (O/N/H)	H	
Lenght (Value)	3	
By Number of Ticks	2	
Real Time (Y/N)	Y	
Line Number	1	2
Color	White	White
Style	Solid	Solid
Sub Chart	1	
Draw Type	Line	
X Position	0	
Symbol	Circle	



True Strength Index

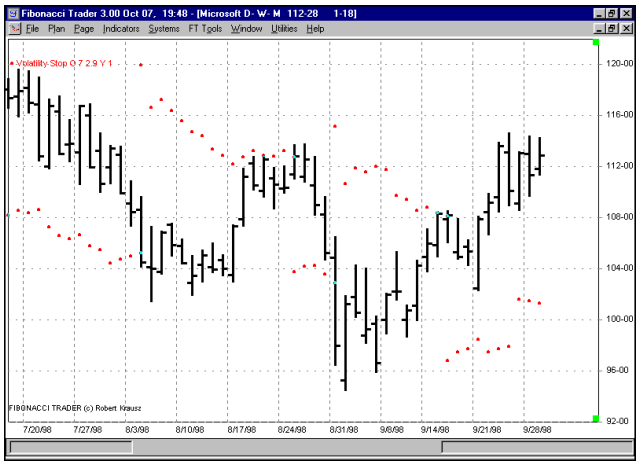
Volatility: Volatility is exponential moving average of ***Length*** periods of the difference between the actual true range and the previous true range. You can plot the Volatility based on the Own, Next or High period bars.

Inputs	Default	
Period (O/N/H)	O	
Length (Value)	10	
OffSet (Value)	0	
Line Number	1	2
Color	Red	Magenta
Style	Solid	
Sub Chart	6	
Draw Type	Line	
X Position	0	
Symbol	None	

Volatility

Volatility Stop: The Volatility Stop is a reversal system. The reversal stop is calculated using the average of ***Length*** periods ranges multiplied by a ***Constant.*** If you are long this value is subtracted from the highest close, if you are short this value is added to the lowest close.
You have the option to wait or not for the close of the bar to have a reversal. The penetration must be at least 1 tick above or below the SAR to have a reversal. You can plot the Volatility Stop based on the Own, Next or High bars.

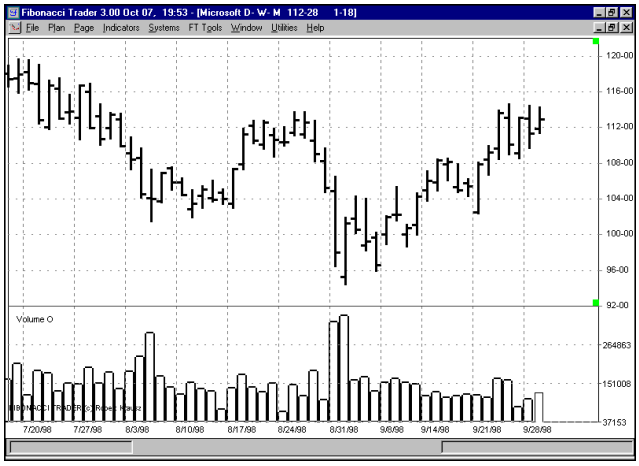
Inputs	Default	
Period (O/N/H)	O	
Length (Value)	7	
Constant (Value)	2.9	
Wait Close (Y/N)	Y	
Line Number	1	2
Color	Red	Red
Style		
Sub Chart	1	
Draw Type	None	
X Position	0	
Symbol	Circle 2	



Volatility Stop

Volume: This draws the Volume of the specific period. You can have the Volume based on the Own, Next or High period bars.

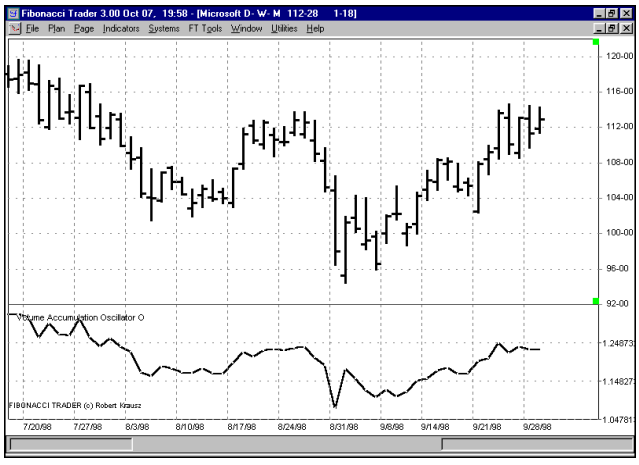
Inputs	Default
Inputs	Default
Period (O/N/H)	O
Line Number	1
Color	Light Red
Style	Solid
Sub Chart	3
Draw Type	Histogram
X Position	0
Symbol	None



Volume

Volume Accumulation Oscillator: Created by Mark Chaikin, the Volume Accumulation Oscillator is the cumulative volume adjusted by the difference between the close and the midpoint of the day's range.
VAC = [C - (H + L) / 2] * V, where C is the Close, **H** is the High, **L** is the Low, and **V** is the Volume. The Volume Accumulation Oscillator is the accumulation of the value **A**. You can have the Volume Accumulation Oscillator based on the Own, Next or High period bars.

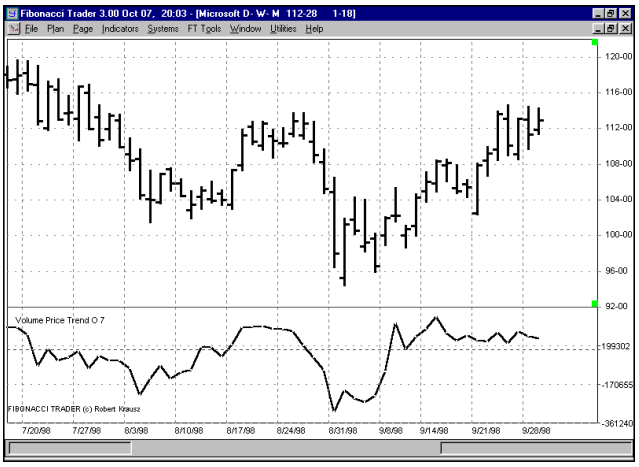
Inputs	Default
Period (O/N/H)	O
Line Number	1
Color	Light Cyan
Style	Solid
Sub Chart	4
Draw Type	Line
X Position	0
Symbol	None
Draw Type	Line
X Position	0
Symbol	None



Volume Accumulation Oscillator

Volume Price Trend: This is the accumulation of a ***Length*** period of the difference of the close of a bar and the close of the previous bar multiplies by the volume. The volume Price Trend can be based on Own, Next or High period bars.

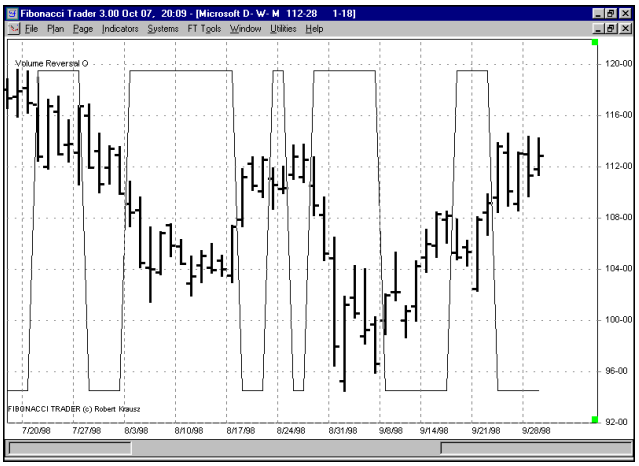
Inputs	Default
Period (O/N/H)	N
Length (Value)	7
Line Number	1
Color	White
Style	Solid
Sub Chart	2
Draw Type	Line
X Position	0
Symbol	None



Volume Price Trend

Volume Reversal: The Volume Reversal compares the actual bar with the previous bar. If you have a change from a rally day to a reaction day with a increase of volume you have a sell signal, if you have a change from reaction day to a rally day with a increase of volume you have a buy signal. You can have the Volume Reversal based on the ***Length*** bars of Own, Next or High period bars.

Inputs	Default
Period (O/N/H)	O
Line Number	1
Color	White
Style	Dashed
Sub Chart	1
Draw Type	Line
X Position	0
Symbol	None



Volume Reversal

Williams %R: Williams' %R is the inverse of the 10-day stochastic, using the high price rather than the low price in the numerator.

$$\%R = (H_{10} - C_{today}) / (H_{10} - L_{10})$$

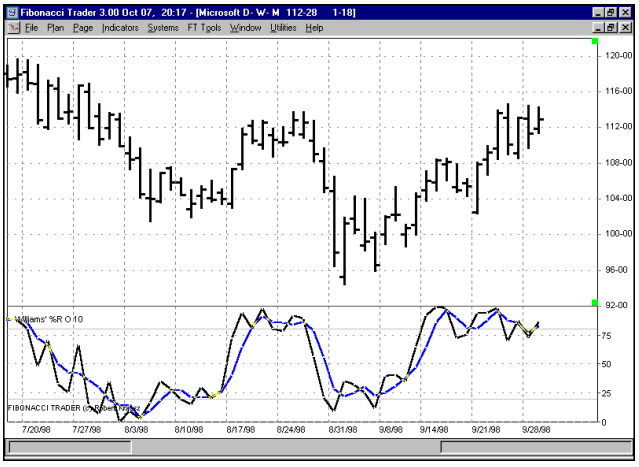
C_{today} is the today's Close

H_{10} is the 10 day's High

L_{10} is the 10 day's Low

You can have the Williams' %R based on ***Length*** bars of the Own, Next or High period bars.

Inputs	Default	
Period (O/N/H)	O	
Length (Value)	10	
Line Number	1	2
Color	Green	Blue
Style	Solid	Dashed
Sub Chart	2	2
Draw Type	Line	Line
X Position	0	0
Symbol	None	None



Williams %R

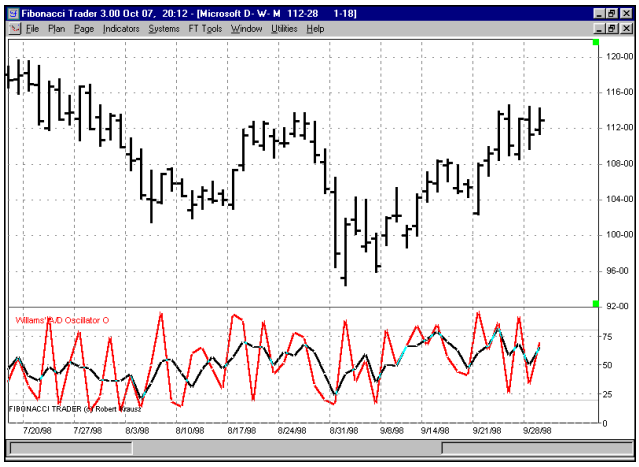
Williams A/D Oscillator: The William's A/D Oscillator is a volume price momentum indicator.

DRF = [(**H** - **O**) + (**C** - **L**)] / [2 * (**H** - **L**)]

C is the Close
O is the Open
H is the High
L is the Low

You can have the William's A/D Oscillator based on the Own, Next or High period bars.

Inputs	Default	
Period (O/N/H)	O	
Line Number	1	2
Color	Red	Cyan
Style	Solid	Dashed
Sub Chart	3	
Draw Type	Line	
X Position	0	
Symbol	None	



Williams A/D Oscillator

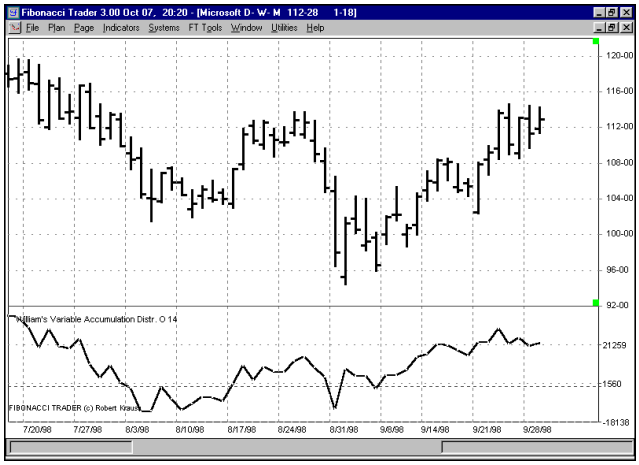
Williams Variable Accumulation: The William's Variable Accumulation Distr. is a volume price momentum indicator.

WVAC = $\mathbf{S}_{I=1,length}$ [(**C** - **O**) / (**H** - **L**)] * **V**

C is the Close
O is the Open
H is the High
L is the Low
V is the Volume

You can have the William's Variable Accumulation Distr. based on the ***Length*** bars of the Own, Next or High period bars.

Inputs	Default
Period (O/N/H)	O
Length (Value)	14
Line Number	1
Color	Light Green
Style	Solid
Sub Chart	2
Draw Type	Line
X Position	0
Symbol	None

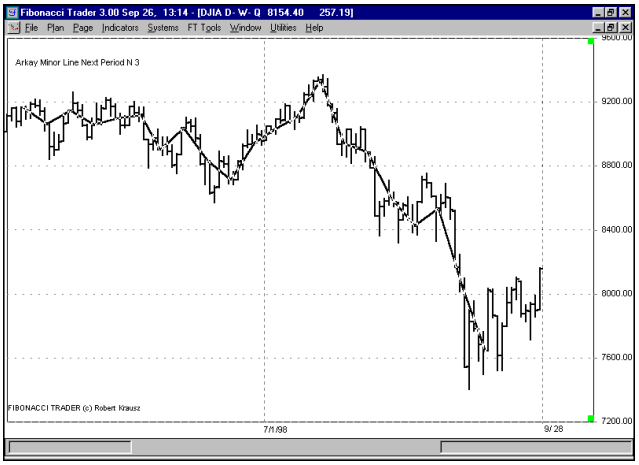


Williams Variable Accumulation

The next set of indicators are the exclusive property of the Fibonacci Trader Corporation. These Special Indicators are found nowhere else. We recommend that you study them carefully and learn to use them to your advantage. Combine them in a Multiple Time Frame format.

Arkay Minor Line Next: This indicator defines the swings of the closes of the Own period bar. For example, if you are following the daily bars as own period bars, this indicator connects the closes of the daily bars, showing the most immediate swings.

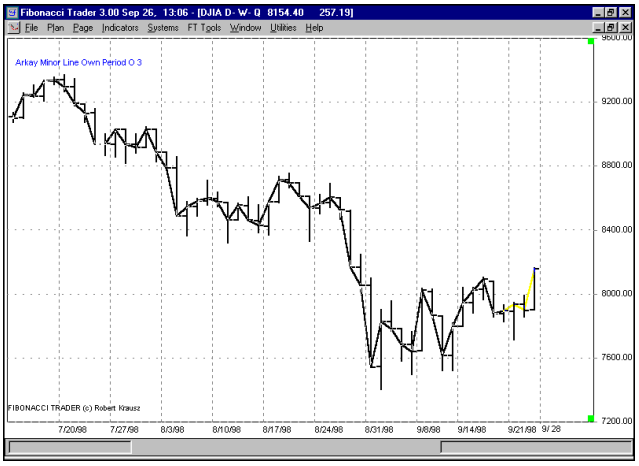
Inputs	Default
Period (O/N/H)	N
Number Color Lines	3
Line Number	1
Color	Light Cyan
Style	Solid
Sub Chart	1
Draw Type	Line
X Position	0
Symbol	None



Arkay Minor Line Next

Arkay Minor Line Own: This indicator plots the same as above, but in connects the Next period bars closes. Using the example above, if you are trading daily bars, then the Next time period is the weekly. Thus it defines the swings of the weekly closes.

Inputs	Default
Period (O/N/H)	O
Number Color Lines	3
Line Number	1
Color	Light Blue
Style	Solid
Sub Chart	1
Draw Type	Line
X Position	0
Symbol	None



Arkay Minor Line Own

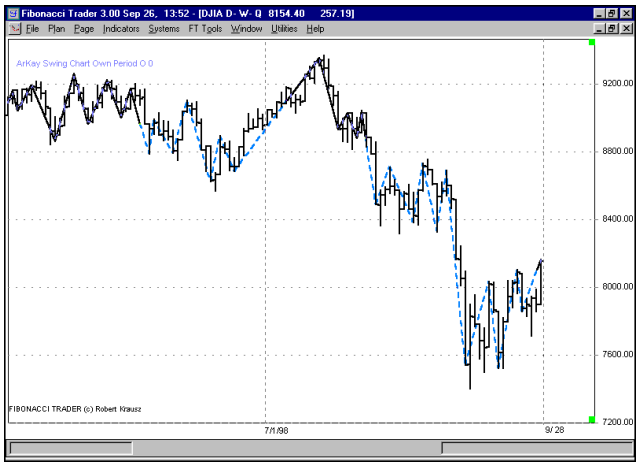
Arkay Swing Chart Next: The swings are defined by the highest and lowest closes and not prices themselves. Classic swing analysis can be practice using his indicator.
Important feature is the color changing when previous peaks or valleys are exceeded. This works also in "Real Time". If you are using the Next period Arkay Swing Chart and during the day you have a red swing and the previous peak is passed by ***Number of Ticks*** then the swing line will turn green.

Inputs	Default	
Period (O/N/H)	N	
By Number of Ticks	0	
Line Number	1	2
Color	Green	Red
Style	Dashed	Dashed
Sub Chart	1	1
Draw Type	Line	Line
X Position	0	0
Symbol	None	None

Arkay Swing Chart Next

Arkay Swing Chart Own: This indicator is the same as the Next period Arkay Swing Chart, but you need the previous two swings passed by ***Number of Ticks*** to have a change of color.

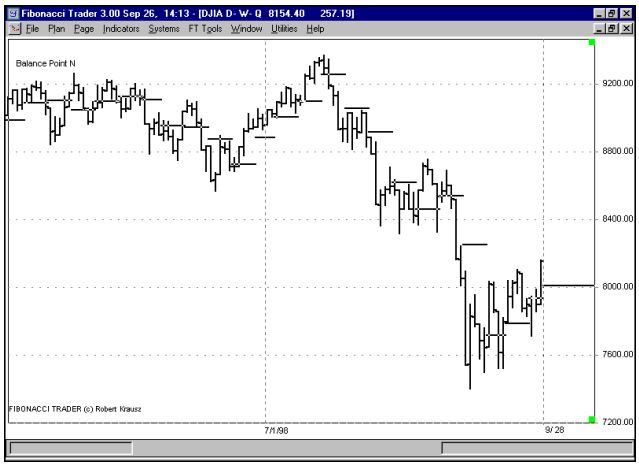
Inputs	Default	
Period (O/N/H)	O	
By Number of Ticks	0	
Line Number	1	2
Color	Green	Red
Style	Solid	Dashed
Sub Chart	1	1
Draw Type	Line	Line
X Position	0	0
Symbol	None	None



Arkay Swing Chart Own

Balance Point Next: This is a simple average of Hi, Low and Close in 1/2 step formation. This is projected (not offset) by 1 period forward.

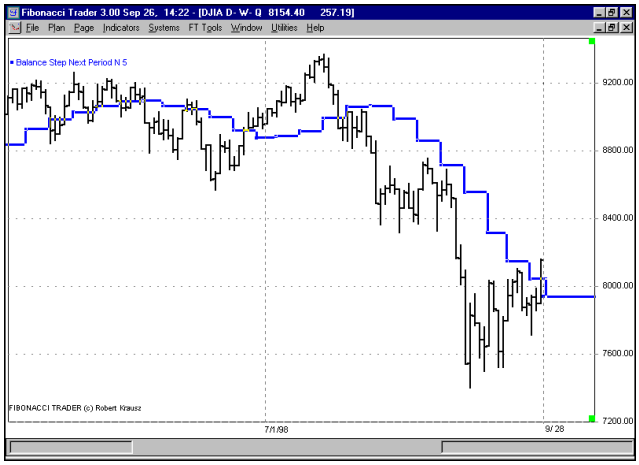
Inputs	Default
Period (O/N/H)	N
Line Number	1
Color	Light Green
Style	Dashed
Sub Chart	1
Draw Type	1/2 Step
X Position	0
Symbol	None



Balance Point Next: Click

Balance Step Next: This is a simple Moving Average of the previous 5 Balance Points and plotted in step formation. This is projected (not offset) 1 period forward. This facility can be used for Own and Next time periods. For example, if using the Daily bars then we can use the Weekly steps to define the tradable trend (weekly being the Next time period).

Inputs	Default
Period (O/N/H)	N
Length (Value)	5
Line Number	1
Color	Light Blue
Style	Dashed
Sub Chart	1
Draw Type	Step
X Position	5
Symbol	Square 2



Balance Step Next: Click

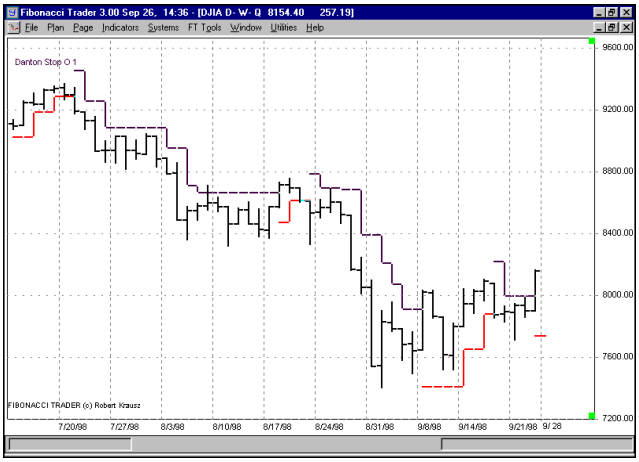
Balance Step Own: This is a simple Moving Average of the most previous 5 Balance Points but in step formation. This is projected (not offset) by 1 period forward.

Inputs	Default
Period (O/N/H)	O
Length (Value)	5
Line Number	1
Color	Light Red
Style	Dashed
Sub Chart	1
Draw Type	Step
X Position	20
Symbol	None

Balance Step Own

Danton Stop: A proprietary stop and reverse system for following the trend of the market.

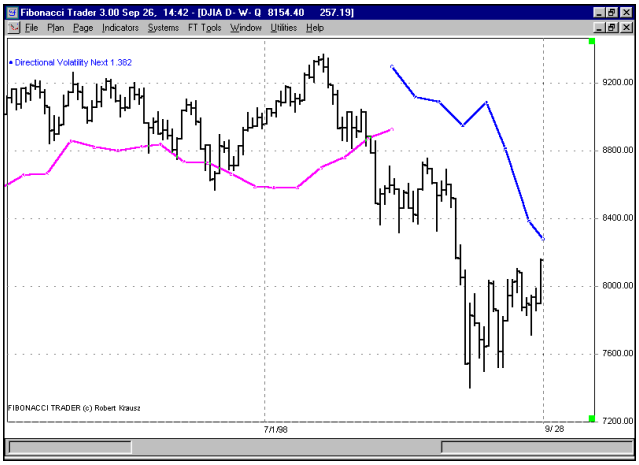
Inputs	Default
Period (O/N/H)	O
Flip 1-2-3 (Value)	1
Line Number	1
Color	Green
Style	Solid
Sub Chart	1
Draw Type	Step
X Position	0
Symbol	None



Danton Stop

Directional Volatility Next 1.382: This is a volatility based Stop and Reverse indicator using the Fibonacci ratio 1.382 from the Next time frame. Closes beyond the indictor line points to a change in trend.

Inputs	Default	
Period (O/N/H)	N	
Alarm/Results	Yes	
By Number of Ticks	0	
Line Number	1	2
Color	Blue	Purple
Style	Solid	Solid
Sub Chart	1	1
Draw Type	Line	Line
X Position	0	0
Symbol	Circle	Circle



Directional Volatility Next 1.382

Directional Volatility Next 1.618: This is a volatility based Stop and Reverse indicator using the Fibonacci ratio 1.618 from the Next time frame. Closes beyond the indictor line points to a change in trend.

Inputs	Default	
Period (O/N/H)	N	
Alarm/Results	Yes	
By Number of Ticks	0	
Line Number	1	2
Color	Green	Red
Style	Solid	Solid
Sub Chart	1	1
Draw Type	Line	Line
X Position	0	0
Symbol	Circle	Circle

Directional Volatility Next 1.618

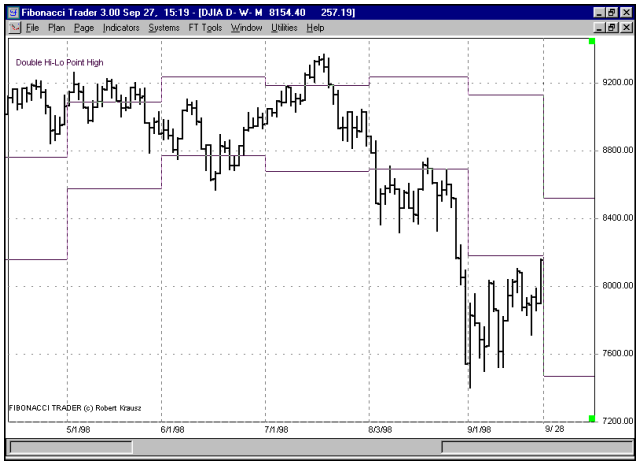
Directional Volatility Next 2.382: This is a volatility based Stop and Reverse indicator using the Fibonacci ratio 2.382 from the Next time frame. Closes beyond the indictor line points to a change in trend.

Inputs	Default	
Period (O/N/H)	N	
Alarm/Results	Yes	
By Number of Ticks	0	
Line Number	1	2
Color	White	Light Blue
Style	Solid	Solid
Sub Chart	1	1
Draw Type	Line	Line
X Position	0	0
Symbol	Circle	Circle

Directional Volatility Next 2.382

Double Hi-Lo Point High: This indicator uses the High time frame to plot support and resistance levels.

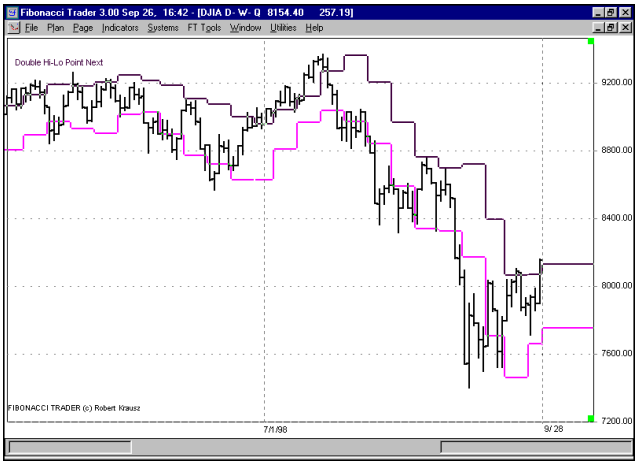
Inputs	Default	
Period (O/N/H)	H	
By Number of Ticks	0	
Line Number	1	2
Color	White	White
Style	Solid	Solid
Sub Chart	1	1
Draw Type	Step	Step
X Position	0	0
Symbol	None	None



Double Hi-Lo Point High

Double Hi-Lo Point Next: This indicator uses the Next time frame to plot support and resistance levels.

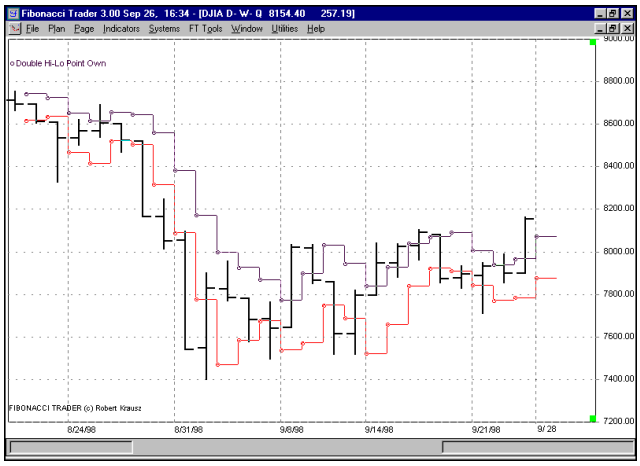
Inputs	Default	
Period (O/N/H)	N	
By Number of Ticks	0	
Line Number	1	2
Color	Light Blue	Purple
Style	Solid	Solid
Sub Chart	1	1
Draw Type	Step	Step
X Position	0	0
Symbol	None	None



Double Hi-Lo Point Next

Double Hi-Lo Point Own: This indicator uses the Own time frame to plot support and resistance levels.

Inputs	Default	
Period (O/N/H)	O	
By Number of Ticks	0	
Line Number	1	2
Color	Green	Red
Style	Solid	Solid
Sub Chart	1	1
Draw Type	Step	Step
X Position	0	0
Symbol	Circle	Circle



Double Hi-Lo Point Own

Dynamic Balance Point Own: This indicator tracks the trend of the market.

Inputs	Default
Period (O/N/H)	O
Length (Value)	5
Line Number	1
Color	Light Green
Style	Solid
Sub Chart	1
Draw Type	Line
X Position	0
Symbol	None

Dynamic Balance Point Own

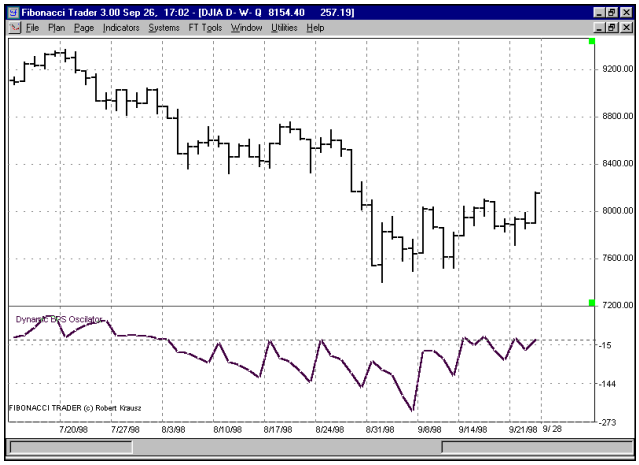
Dynamic BP Step Next: Here, the Next time frame is used to calculate the Dynamic Balance Point.

Line Number	**1**
Color	**Light Blue**
Style	**Dashed**
Sub Chart	**1**
Draw Type	**Line**
X Position	**0**
Symbol	**None**

Dynamic BP Step Next

Dynamic BP Oscillator: The Dynamic Balance Point is plotted in an oscillator form.

Line Number	**1**
Color	**Red**
Style	**Dashed**
Sub Chart	**2**
Draw Type	**Line**
X Position	**0**
Symbol	**None**



Dynamic BP Oscillator

Dynamic Fibonacci Channel: A set of channel lines are drawn about the trend line.

Inputs	**Default**
Period (O/N/H)	**O**
Length	**5**
Ratio 1 (Value)	**.382**
Ratio 2 (Value)	**.764**
Line Number	**1 2 3 4 5**
Color	**Red,Red,Blue,Blue, Green**
Style	**All Solid**
Sub Chart	**1**
Draw Type	**Line**
X Position	**0**
Symbol	**Circle**

Dynamic Fibonacci Channel

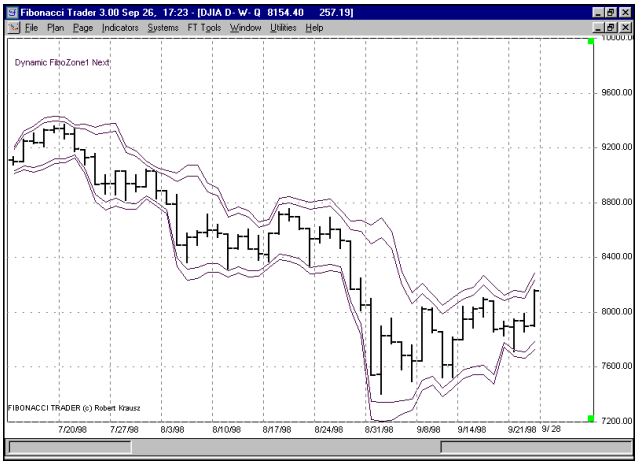
Dynamic FiboZone1 High: Using the High time frame, the zones are plotted to show support and resistance levels.

Inputs	Default
Period (O/N/H)	H
Line Number	1, 2, 3, 4
Color	Magenta, Magenta, White, White
Style	All Solid
Sub Chart	1
Draw Type	Line
X Position	0
Symbol	None

Dynamic FiboZone1 High

Dynamic FiboZone1 Next: In this indicator, the Next time frame is used.

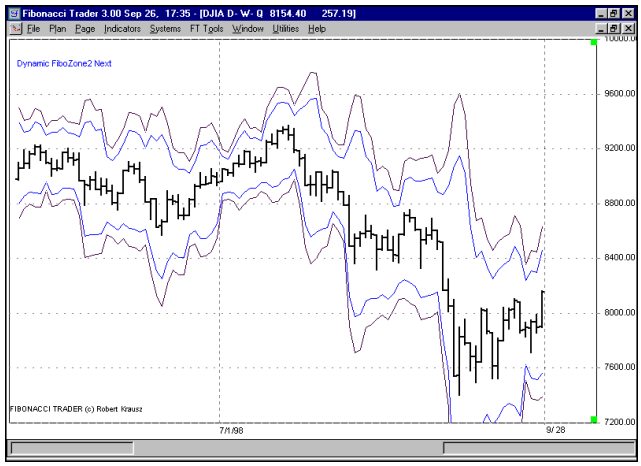
Inputs	Default
Period (O/N/H)	N
Line Number	1, 2, 3, 4
Color	Blue, Blue, White, White
Style	All Solid
Sub Chart	1
Draw Type	Line
X Position	0
Symbol	None



Dynamic FiboZone1 Next

Dynamic FiboZone2 Next: A second set of support and resistance chanels are plotted using the Next time frame.

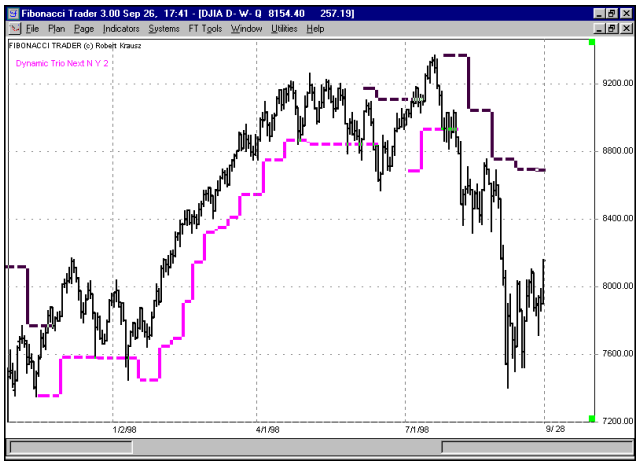
Inputs	Default
Period (O/N/H)	N
Length	5
Line Number	1 2 3 4
Color	Magenta, Magenta, White, White
Style	All Solid
Sub Chart	1
Draw Type	Line
X Position	0
Symbol	Circle



Dynamic FiboZone2 Next

Dynamic Trio Next: This is a proprietary indicator that defines the Trend via the Next time period Dynamic Trio and supplies the potential buy/sell signal via the Own time period Dynamic Trio. For example, if the Next period Dynamic Trio is up and prices are above upper line then we look to buy using the Own time period Dynamic Trio line in the direction of the trend.

Inputs	Default	
Period (O/N/H)	O	
Wait for close	Yes	
By number of Ticks	2	
Line Number	1	2
Color	Magenta	White
Style	Solid	Solid
Sub Chart	1	1
Draw Type	Step	Step
X Position	20	20
Symbol	None	None



Dynamic Trio Next

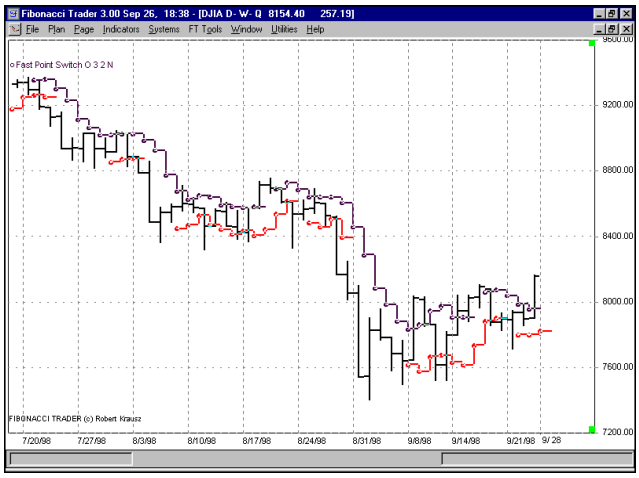
Dynamic Trio Own: Here are the default values for the Own period Dynamic Trio.

Inputs	Default	
Period (O/N/H)	O	
Wait for close	Yes	
By number of Ticks	2	
Line Number	1	2
Color	Light Red	Light Green
Style	Solid	Dashed
Sub Chart	1	1
Draw Type	Step	Step
X Position	20	20
Symbol	None	None

Dynamic Trio Own

Fast Point Switch: This is a stop & reverse trend following indicator using a proprietary calculation.

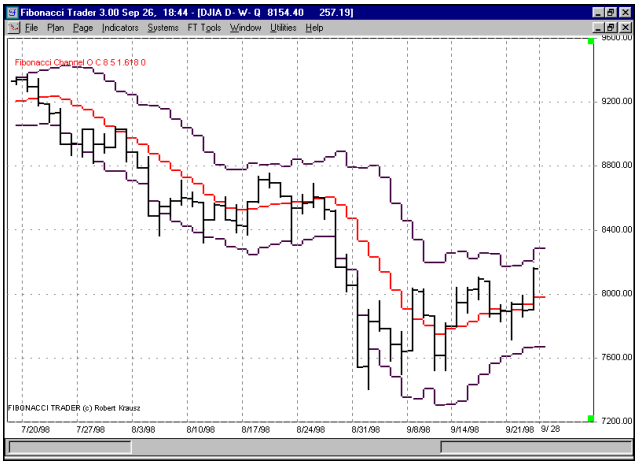
Inputs	Default	
Period (O/N/H)	O	
Length (Value	3	
By number of Ticks	2	
Back 1 period (Y/N)	N	
Line Number	1	2
Color	Green,	Red
Style	Solid	Solid
Sub Chart	1	1
Draw Type	Step	Step
X Position	20	20
Symbol	Circle	Circle



Fast Point Switch

Fibonacci Channel: An envelope using a moving average of ***Length*** periods. The true range average of ***Range Length*** is multiplied by ***Constant*** and then added and subtracted from the moving average of ***Length*** periods. Plot the Fibonacci Channel based on the Open, High, Low, Close, Medium Point, Volume or Tick Volume (O/H/L/C/M/V/T). Plot the Fibonacci Channel based on the Own, Next or High period bars.

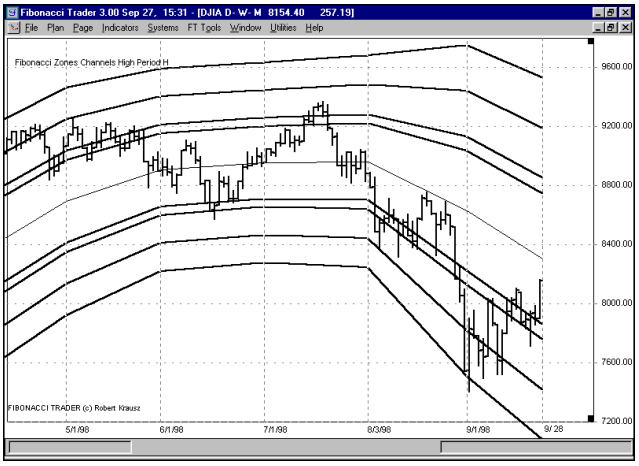
Inputs	Default		
Period (O/N/H)	O		
Use (O/H/L/C/M/V/T)	C		
Length (Value)	8		
Range Length (Value)	5		
Constant (Value)	1.618		
OffSet (Value)	0		
Line Number	1	2	3
Color	Light Blue, White,		White
Style	Dashed,	Dashed,	Dashed
Sub Chart	1	1	1
Draw Type	Step	Step	Step
X Position	0	0	0
Symbol	None	None	None



Fibonacci Channel

Fibonacci Zone Channel High: The average of the last 3 previous Fibonacci Zones. All the lines are projected forward 1 period. This can be used in Next or High time periods. These define the same support and Resistance as the regular Fibonacci Zones but are smoothed.

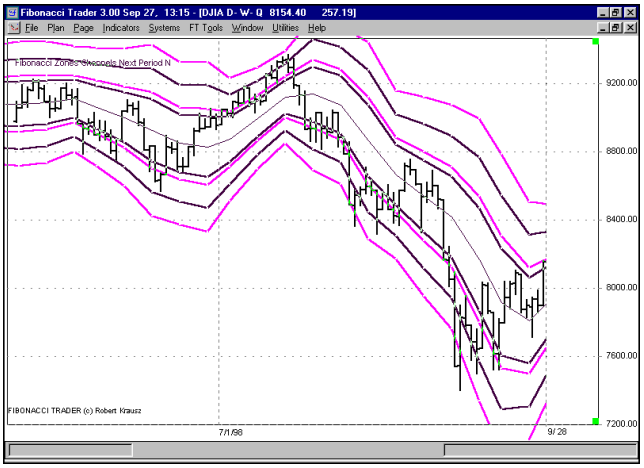
Inputs	Default
Period (O/N/H)	H
Line Number	1, 2, 3, 4, 5
Color	Magenta, White, Magenta, White, Green
Style	Solid, Dashed, Solid, Dashed, Dashed
Sub Chart	1
Draw Type	1/2 Step
X Position	0, 0, 0, 0, 0
Symbol	None



Fibonacci Zone Channel High

Fibonacci Zone Channel Next: Here the Next time frame is used.

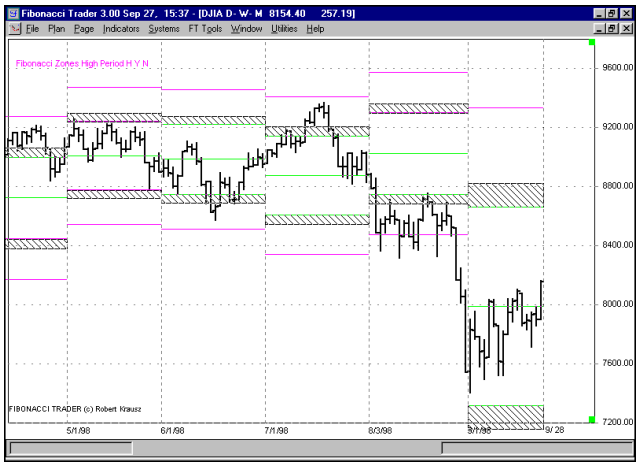
Inputs	Default
Period (O/N/H)	N
Line Number	1, 2, 3, 4, 5
Color	Blue, White, Blue, White, Red
Style	Solid, Dashed, Solid, Dashed, Dashed
Sub Chart	1
Draw Type	1/2 Step
X Position	0
Symbol	None



Fibonacci Zone Channel Next

Fibonacci Zones High Period: An original way of defining Support and Resistance. This can be used for intraday trading or longer term trading. For intraday trading John Jacksons Fibonacci Zone Analysis (Real Time) is available as an ADD-ON. Can be used as Next or High.

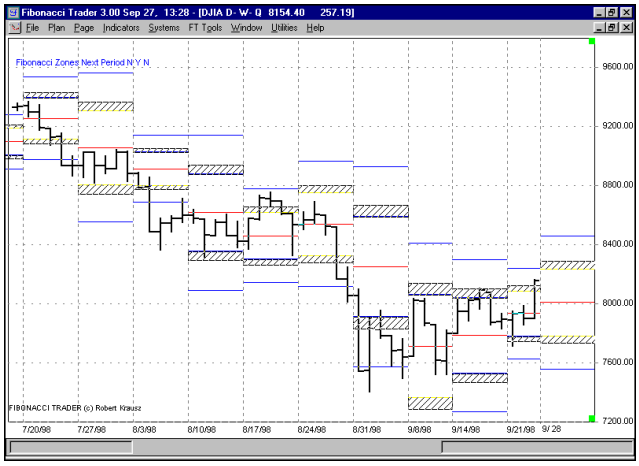
Inputs	Default
Period (O/N/H)	H
Flood Zone1 (Y/N)	Y
Flood Zone2 (Y/N)	N
Line Number	1, 2, 3, 4, 5
Color	Magenta,White,Magenta, White, Green
Style	Solid, Dashed, Solid, Dashed, Dashed
Sub Chart	1
Draw Type	1/2 Step
X Position	0
Symbol	None



Fibonacci Zones High Period

Fibonacci Zones Next Period: Here, the Next time frame is used.

Inputs	Default
Period (O/N/H)	N
Flood Zone1 (Y/N)	Y
Flood Zone2 (Y/N)	N
Line Number	1, 2, 3, 4, 5
Color	Blue, White, Blue, White, Red
Style	Solid, Dashed, Solid, Dashed, Dashed
Sub Chart	1
Draw Type	1/2 Step
X Position	0
Symbol	None



Fibonacci Zones Next Period

Gann Swing Chartist Next: Classic W.D.Gann style swing chart that works in Real Time and End of Day. The swing direction changes when; 1) The swing is up and there are 2 consecutive lower lows, 2) the swing is down and there are 2 consecutive higher highs.This facility works in Own and Next time periods. For example, if you are using the daily bars you can see both the daily and the weekly swings on the daily bars.

Inputs	Default
Period (O/N/H)	N
By Number of Ticks (Value)	0
Line Number	1 2
Color	Dark Green, Dark Red
Style	Dashed Dashed
Sub Chart	1
Draw Type	Line
X Position	0
Symbol	None

Gann Swing Chartist Next:

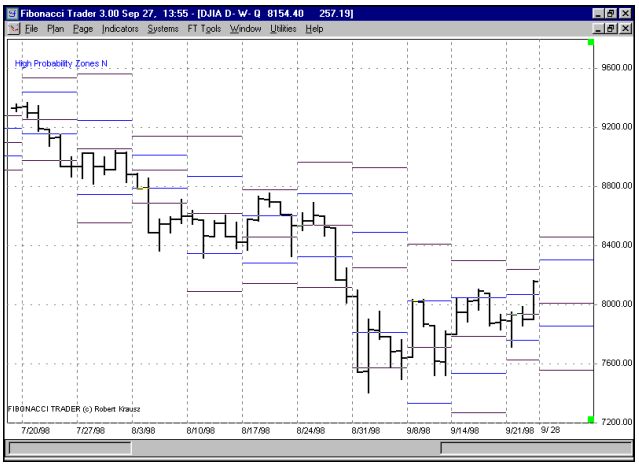
Gann Swing Chartist Own: Here is the Gann Swing Chartist Own period defaults.

Inputs	Default
Period (O/N/H)	O
By Number of Ticks (Value)	0
Line Number	1 2
Color	Light Green, Light Red
Style	Solid Dashed
Sub Chart	1
Draw Type	Line
X Position	0
Symbol	None

Gann Swing Chartist Own

High Probility Zones: This calculation is used by floor traders world wide. Also John Jackson's High Probability Zone Analyses is based. For this facility using intraday entry the Next time period is always used. For example, if you are trading the 60 minutes bars, then you will be using the daily to obtain these calculations.

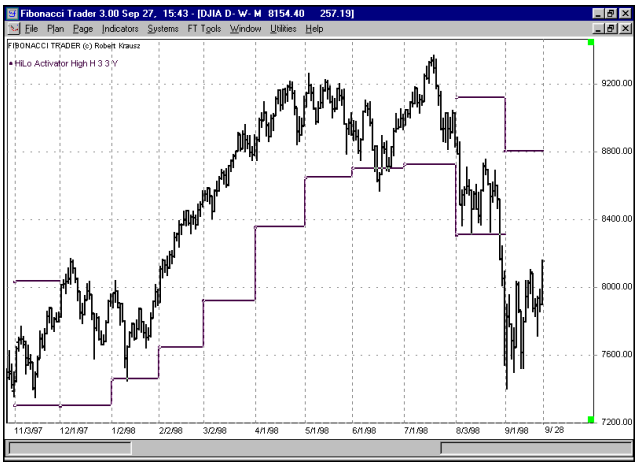
Inputs	Default
Period (O/N/H)	N
Line Number	1 2 3
Color	Blue White Cyan
Style	Dashed,Dashed, Dashed
Sub Chart	1
Draw Type	1/2 Step
X Position	0
Symbol	None



High Probility Zones

HiLo Activator High: Uses the average of length periods of the higs or lows to calculate buy and sell points.

Inputs	Default
Period (O/N/H)	H
Lenght (Value)	3
By Number of Ticks	3
Real Time (Y/N)	Y
Line Number	1 2
Color	Magenta, Light Blue
Style	Solid Solid
Sub Chart	1
Draw Type	Step
X Position	0
Symbol	Circle



HiLo Activator High

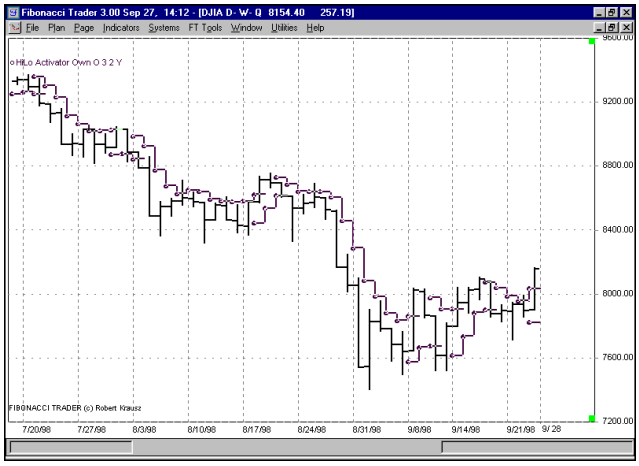
HiLo Activator Next: This indicator uses the Next time frame.

Inputs	Default	
Period (O/N/H)	H	
Lenght (Value)	3	
By Number of Ticks	3	
Real Time (Y/N)	Y	
Line Number	1	2
Color	White	White
Style	Solid	Solid
Sub Chart	1	
Draw Type	Line	
X Position	0	
Symbol	Circle	

HiLo Activator Next

HiLo Activator Own: This indicator uses Own time frame and is a stop & reverse signal.

Inputs	Default	
Period (O/N/H)	H	
Lenght (Value)	3	
By Number of Ticks	2	
Real Time (Y/N)	Y	
Line Number	1	2
Color	White	White
Style	Solid	Solid
Sub Chart	1	
Draw Type	Line	
X Position	0	
Symbol	Circle	



HiLo Activator Own

Hi-Lo Bands High: These 2 calculations define a channel or band based on the 3 period average of the highs and the 3 period average of the lows. There are 3 time frames available in this feature (Own / Next / High). This tool can be useful if you use the Next time period HI/Low bands. Example : If you are plotting daily bars then the Next time period will be the weekly HI/LOW Bands.

Inputs	Default	
Period (O/N/H)	H	
Length (Value)	3	
Line Number	1	2
Color	Magenta,	Magenta
Style	Solid	Solid
Sub Chart	1	
Draw Type	Line	
X Position	5	
Symbol	None	

Hi-Lo Bands High

Hi-Lo Bands Next: This indicator uses the Next time frame.

Inputs	Default	
Period (O/N/H)	N	
Length (Value)	3	
Line Number	1	2
Color	White	White
Style	Solid	
Sub Chart	1	
Draw Type	Line	
X Position	5	
Symbol	None	

Hi-Lo Bands Next:

Hi-Lo Bands Own: This indicator uses the Own time frame.

Inputs	Default	
Period (O/N/H)	N	
Length (Value)	3	
Line Number	1	2
Color	Grren	Green
Style	Solid	
Sub Chart	1	
Draw Type	Line	
X Position	50	
Symbol	Circle	

Hi-Lo Bands Own

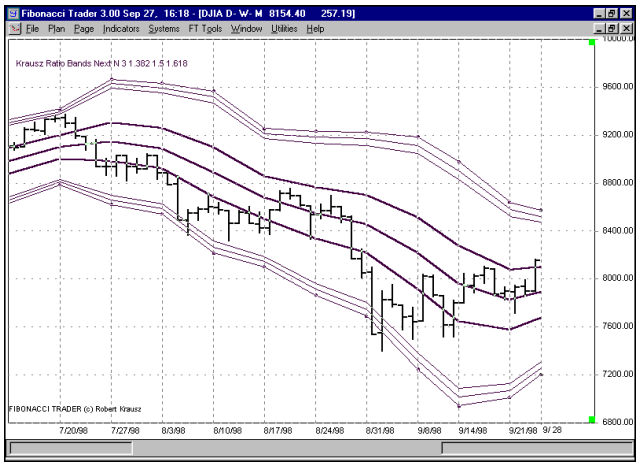
Krausz Ratio Bands Own: A band formation, based on Fibonacci Ratios Touching the extremes of the bansd, top or bottom sets up a possible exhaustion of the trend. A warning to start looking for Buy/Sell confirming signals. Can be useful, specially in the Next time frame. For example, if trading 30 minutes bars then the daily Ratio Bands could be used.

Inputs	Default
Period (O/N/H)	O
Length (Value)	3
Proj.1 Factor	1.382
Proj.2 Factor	1.5
Proj.3 Factor	1.618
Line Number	1, 2, 3, 4, 5
Color	Red, White, Magenta, Cyan, Green
Style	Solid
Sub Chart	1
Draw Type	Line
X Position	0
Symbol	None

Krausz Ratio Bands Own

Krausz Ratio Bands Next: This set of channels are used for support and resistance levels.

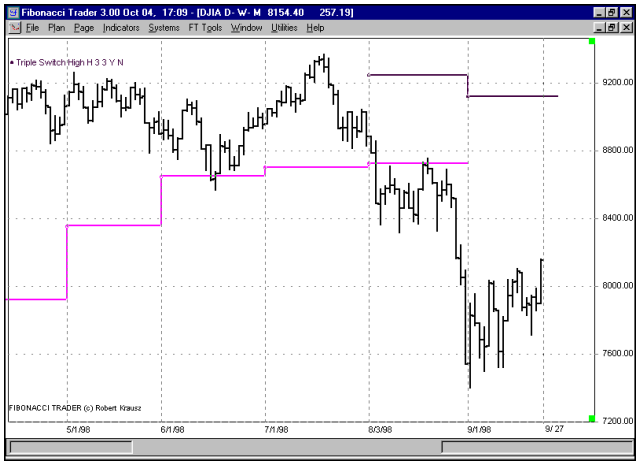
Inputs	Default
Period (O/N/H)	N
Length (Value)	3
Proj.1 Factor	1.382
Proj.2 Factor	1.5
Proj.3 Factor	1.618
Line Number	1, 2, 3, 4, 5
Color	Red, White, Magenta, Cyan, Green
Style	Dashed, Solid, Solid, Solid, Dashed
Sub Chart	1
Draw Type	Line
X Position	0
Symbol	None



Krausz Ratio Bands Next

Triple Switch High: The Triple Switch is a proprietary indicator. It is a stop and reverse line.

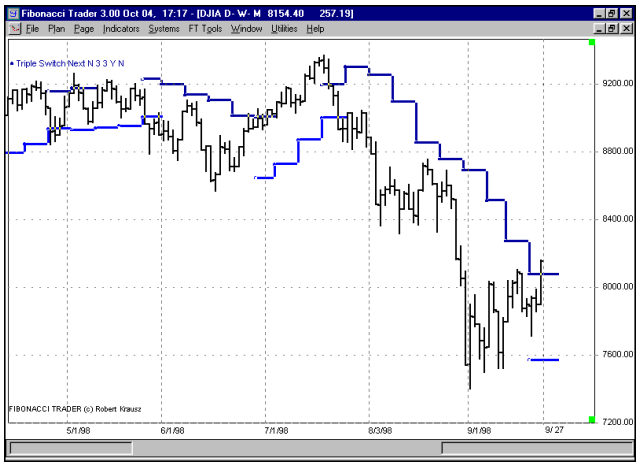
Inputs	Default	
Period (O/N/H)	H	
Length (Value	3	
By number of Ticks	3	
Fast Track (Y/N)	Y	
Back 1 period (Y/N)	N	
Line Number	1	2
Color	Cyan,	Red
Style	Solid	
Sub Chart	1	
Draw Type	Step	
X Position	0	0
Symbol	Circle	Circle



Triple Switch High

Triple Switch Next: The Triple Switch is a proprietary indicator. It is a stop and reverse line. This one uses the Next time frame.

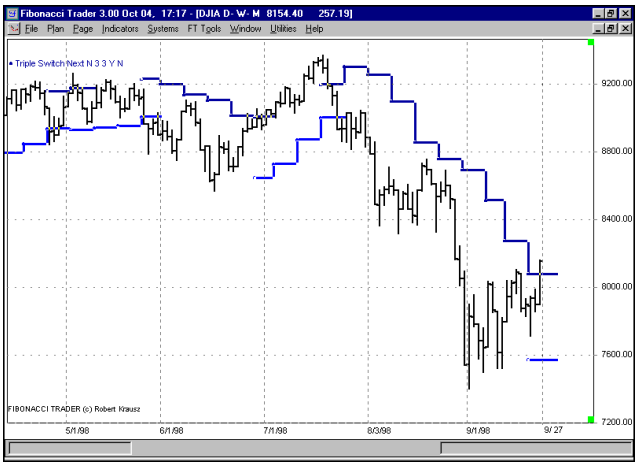
Inputs	Default	
Period (O/N/H)	N	
Length (Value	3	
By number of Ticks	3	
Fast Track (Y/N)	Y	
Back 1 period (Y/N)	N	
Line Number	1	2
Color	White,	White
Style	Solid	
Sub Chart	1	
Draw Type	Step	
X Position	0	0
Symbol	Circle	Circle



Triple Switch Next

Triple Switch Own: The Triple Switch is a proprietary indicator. It is a stop and reverse line. This version uses the Own time frame.

Inputs	Default	
Period (O/N/H)	O	
Length (Value	3	
By number of Ticks	2	
Fast Track (Y/N)	Y	
Back 1 period (Y/N)	N	
Line Number	1	2
Color	Green,	Red
Style	Solid	
Sub Chart	1	
Draw Type	Step	
X Position	-50	-50
Symbol	Circle	

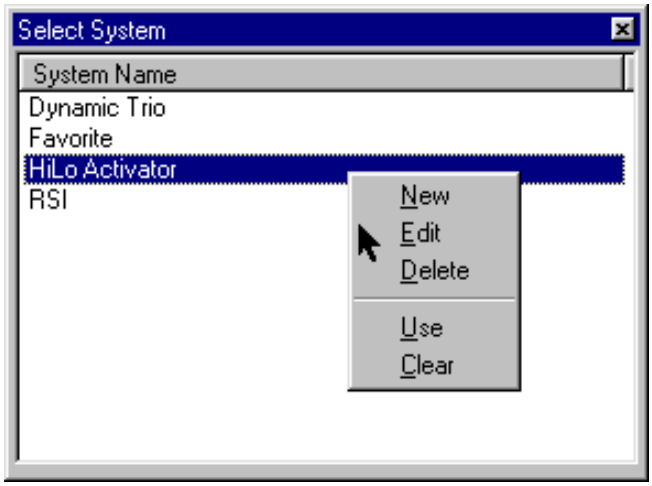


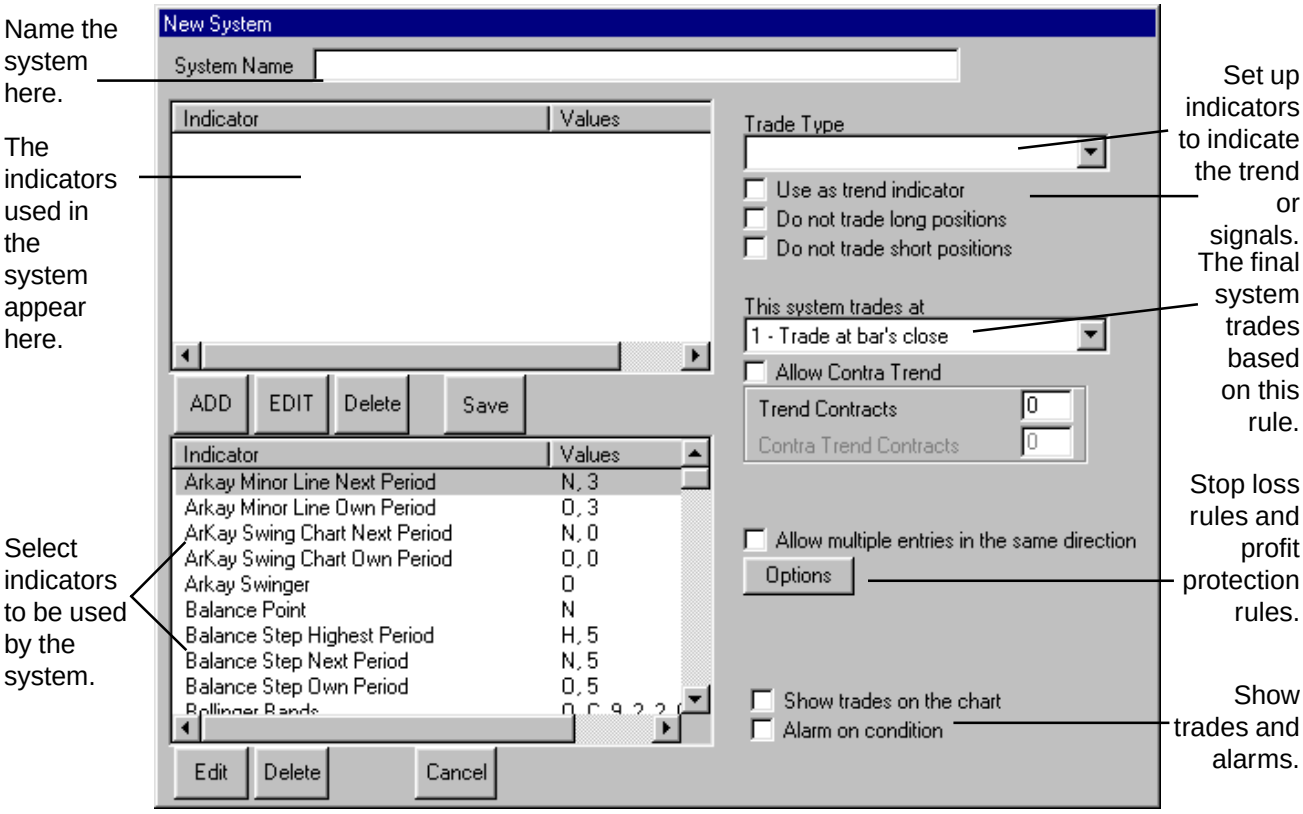
This concludes the list of indicators, both the Standard and the special. The next section explains how to set up trading systems using these indicators. Time spent understanding the use of these indicators will be well spent, and then you can work with them in designing trading methods and testing to determine their particular applications in market analysis.

Systems

Systems Control Window

Fibonacci Trader includes an indicator based System Testing Module. There are numerous features including the ability to combine indicators, set up entry and exit rules. You can back test, view tables of results in both summary and tabular form, plus the individual trades will be displayed on the charts and linked to an alarm. First, left click on Systems from the main menu. Next right click in the Select Systems window (above) and select New to set up a system. The Systems Control Window shown below will open. Let's build a system to see the features.





SYSTEMS TUTORIAL

Here are the steps to building a simple trend following system. The system will be called the HiLo Activator. Left click on Systems on the main menu, right mouse click in the Select System window and select New.

1) Type in the name "HiLo Activator" in the Systems Name box.

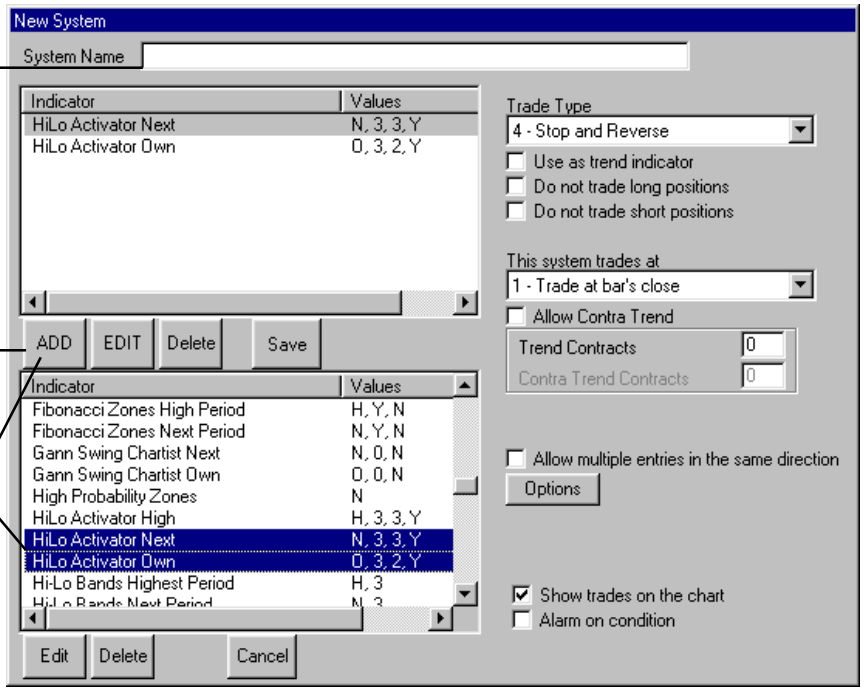
Once added the indicators can be modified, if you choose, from the standard defaults.

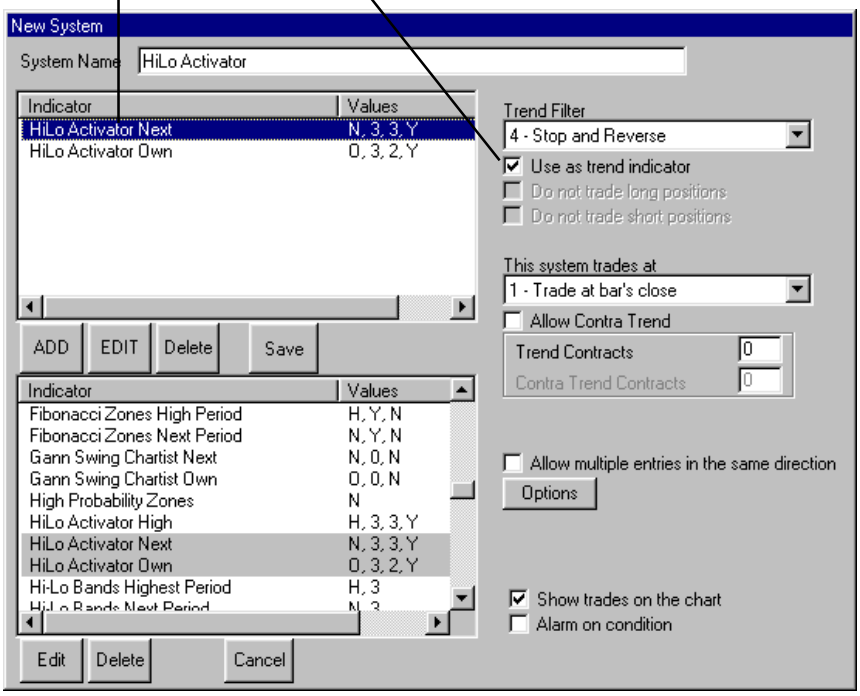
These buttons add, edit or delete indicators, and save the system.

2) Select HiLo Activator Next, then click on Add. Select HiLo Activator Own, then click on Add.

3) Select the HiLo Activator Next.

4) Click on "Use as trend indicator.



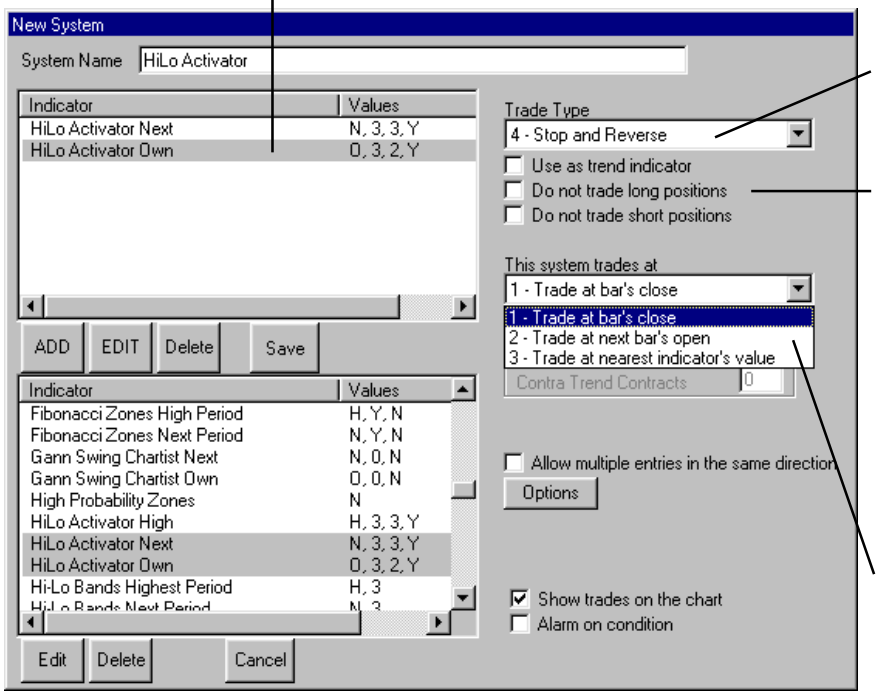


At this point the HiLo Activator Next will be used as the trend indicator. The system will be trading daily bars using the trend of the weekly (Next) bars. Trades will only be taken in the direction of this indicator.

Next we will setup the HiLo Activator Own for our entry and exit signals. Each indicator has a default setting for it's use as a trading signal (see table Trade Type). There are nine different settings, with a specific setting for the indicator. For example, the HiLo Activator uses number 4-Stop and reverse. If we were using the moving average indicator we would have three choices: Number 1- close past line, number 2-bar crossing line, and number 3- change of slope direction. The HiLo Activator Own is limited to stop and reverse, that is, the HiLo Activator is always in the market, reversing positions when the indicator flips direction. However, because we are using the HiLo Activator Next as a "Trend Indicator" the HiLo Activator Own will only initiate trades when both indicators agree.

TRADE TYPE
1- Close past line
2- Bar crossing line
3- Change of slope direction
4- Stop and reverse
5- Overbought and Oversold
6- Slow average crossing
7- Change of trend
8- Crossing zero line
9- Step direction

1) Select the HiLo Activator Own.



The Trade Type is limited to number 4- Stop and Reverse. Some indicators have more choices, and the selection can be made by pulling down the menu.

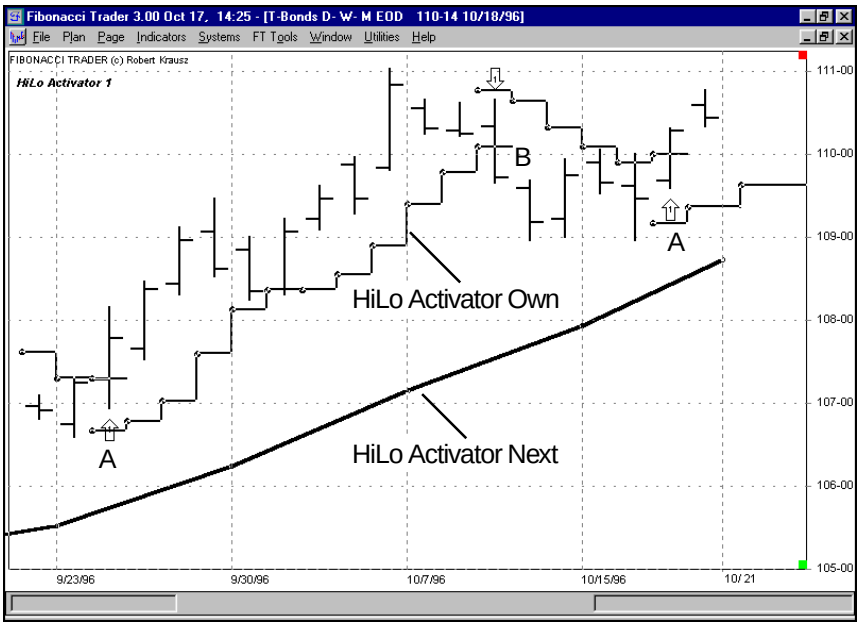
Here, you can designate long positions only or short positions only. Do not select anything for this system.

"The systems trade at" has three choices for entry:
1 - Trade at bar's close
2 - Trade at next bar's open
3 - Trade at nearest 'indicator's value
(Note: This rule specifies the system's entry, not the indicator entry.)

2) Select "Trade at bar's close"

At this point we have designated the HiLo Activator Own as our entry and exit indicator, and the HiLo Activator Next as the Trend Indicator. We have also set the

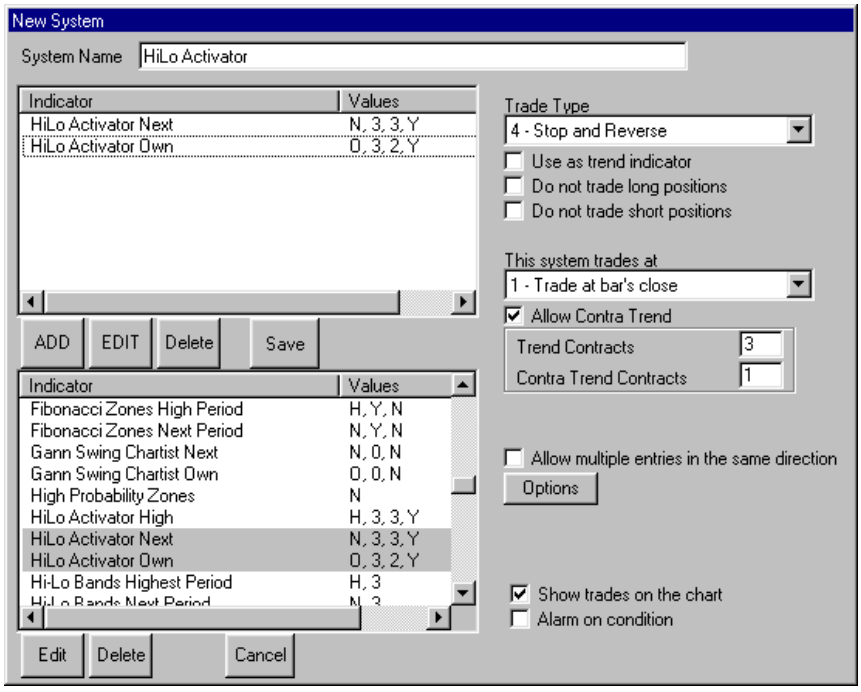
trading signals to occur when the market trades past the HiLo Activator Own. For example, in the chart below the HiLo Activator Next, which uses the weekly bars, is in an uptrend. Therefore, the system will only go long when the market penetrates the HiLo Activator Own stop line by two ticks (based on the indicators default values), as in point A. At point B, the market pentrates the HiLo Activator Own stop line and the system only goes flat becasue the HiLo Activator Next is still in an uptrend.



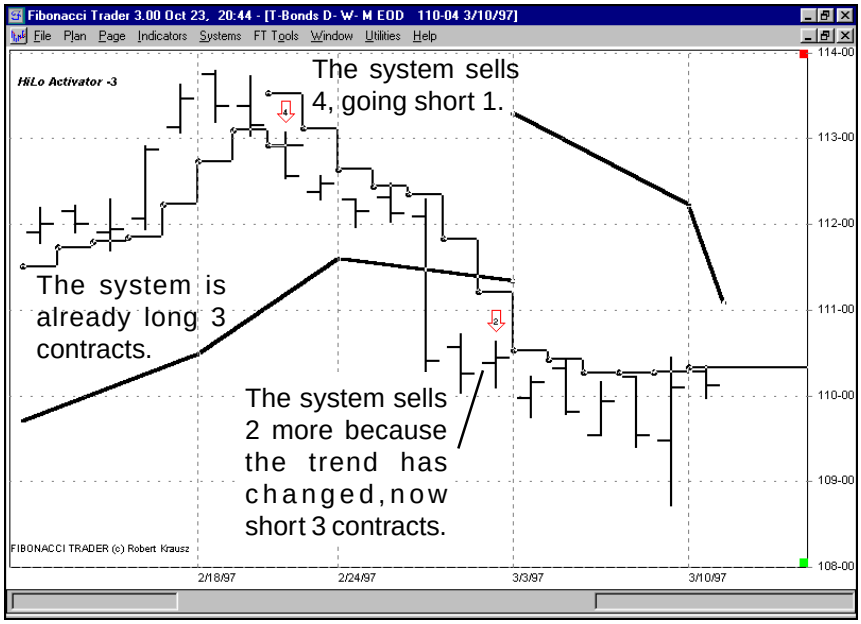
There are some important points to note when using indicators that employ the Fibonacci Trader's exclusive multiple time frame techniques. For exampe, the HiLo Activator Next is based on weekly bars, therefore the indicator does not flip direction until Friday's bar. Penetration, and even a close below the HiLo Activator Next line during the week, as long as it is not Friday, will not change the direction of the trend.

Consequently, to employ the multiple time frame techniques and the unique indicators available warrants time spent familarizing yourself with the indicators. With the Fibonacci Trader you can right click on the colored square up on the right hand top of the chart and call up the scroll bar. Scroll backards, then press the space bar once to advance the chart one bar at a time. Time spent learning the characteristics of the indicators will go a long ways towards developing trading systems. Let's return to the System Control window and look at Contra Trend Trading, Stops and Profit Protection Techniques.

Contra trend trading is available as a rule if you want your system to take trades against your trend indicator. For example, in this system the HiLo Activator Next indicates the trend, and the HiLo Activator Own gives the signals. Normally, the system would issue buy signals only if both the HiLo Activator Next and Own were long, and the system would go flat if the two did not agree. If you check "Allow Contra Trend" the system would go short if the HiLo Activator Own indicated a short position and the HiLo Activator Next indicated an up trend.

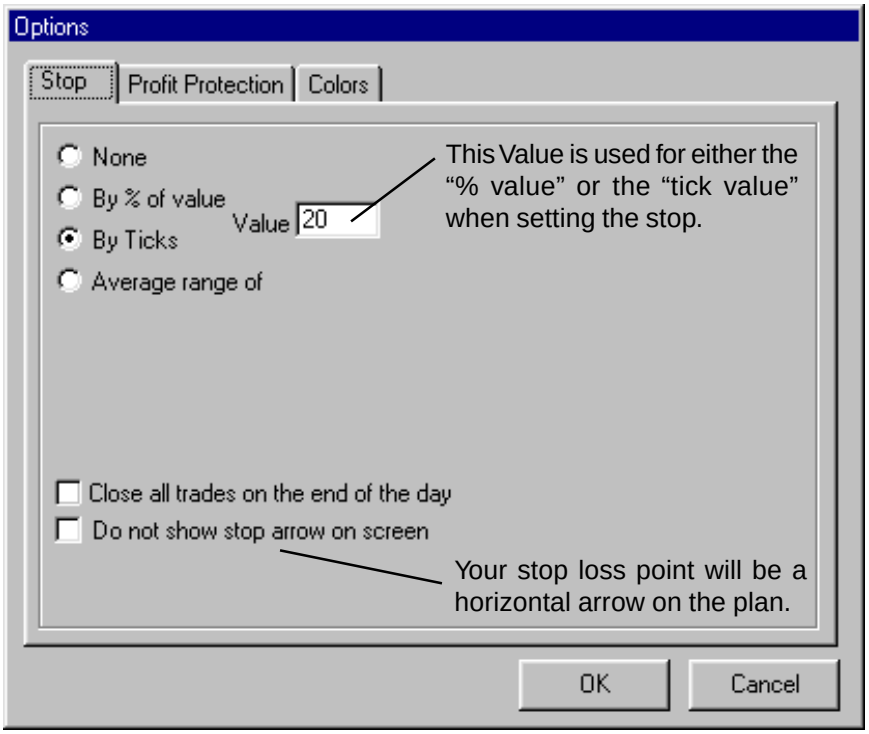


You can select the number of contracts to trade with the trend and the number to trade against the trend. For example, set the Trend Contracts to 3, and the Contra Trend Contracts to 1. In the chart presented to the right you can see that the system was long 3, and then sold 4, to go short 1 contract. Then the sell signal with the new trend sold an additional two contracts short to put the trend postion at a totoal of 3 contracts.



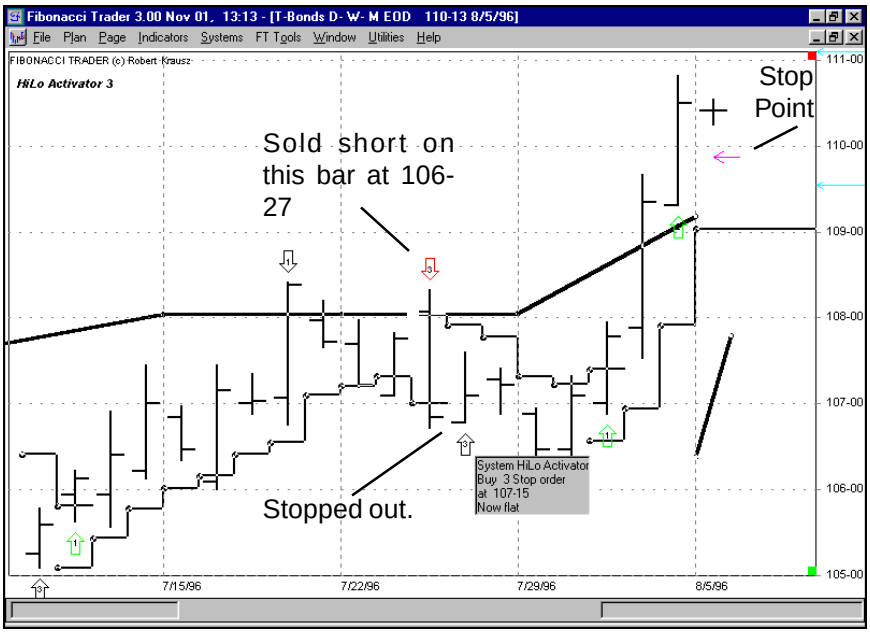
STOPS

Click on the Options button in the Systems Control Window and you access the Stop and Profit Protection controls. Beginning with the control window below, there are four ways to set stops for your trading system. First, your have the None condition, no stop is used. You would click here if you had set a stop provision, ran a test, and wanted to see a set of different results with no stop in place.

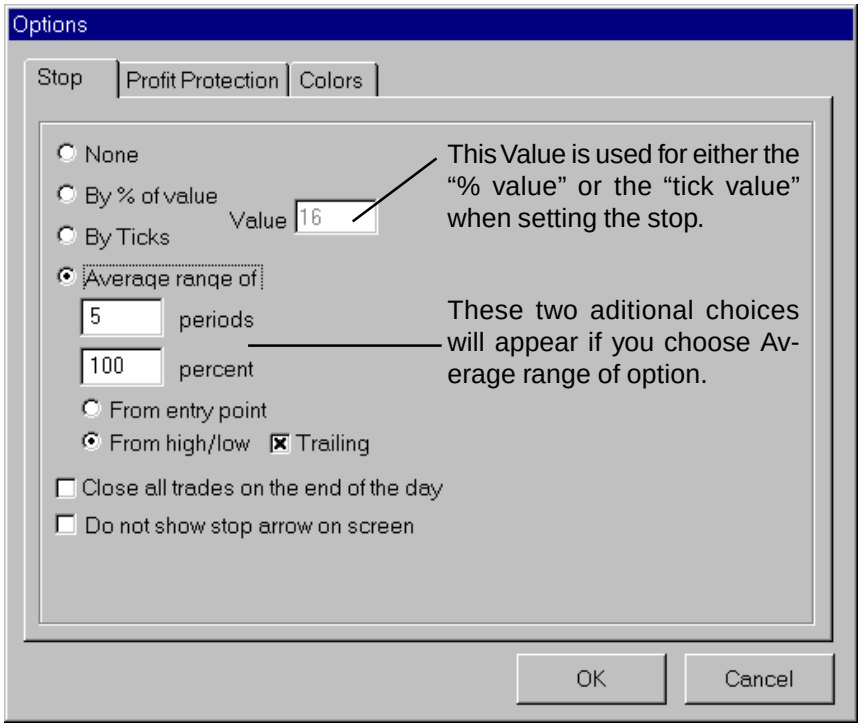


The next is "By % of" value. You set the stop to be a percentage of the entry price from your entry price. If your system was trading T-bond futures and the price was 110-00 and you enter a "1" in the value box then your stop would be a 1 percent or 1.10 subtracted from 110-00 which would be a price of 108-29.

The next stop control is "By ticks." You set the number of ticks to risk on a trade. There is no provision for slippage, except if the market opens with a gap then the opening price for the bar will be used. The chart above shows an example of a trade stopped out by 20 ticks. Click on the arrows to open the window.



The next stop loss option is the "Average range of" option. Here you have your choice of an average range of the bars by selecting a lookback period and choosing a percentage of the average range for the look back period. For example, if you choose 5 periods then the program will calculate the last five period bars' average range, (H-L)/2, and the stop loss will be set at that price point difference from the entry point.



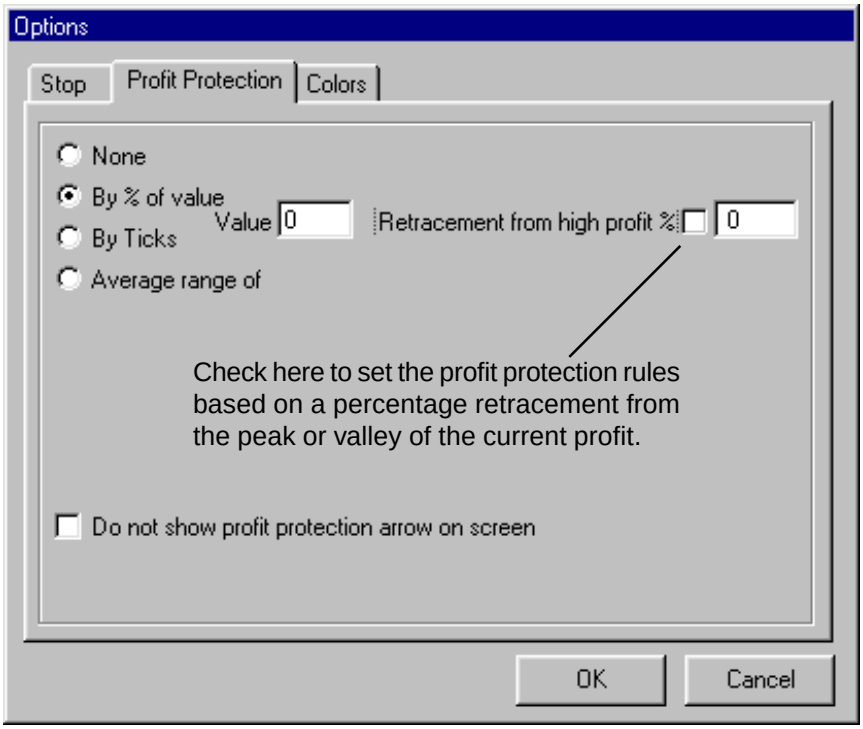
For example, if you were trading T-bonds, and the average range was 28/32nds based on a five period lookback for the T-bonds and you set the stop to be 50%, then the program will place the stop 14/32nds from the entry point. In addition, you can set the stop to be subtracted from the low or added to the high of the entry bar, depending if you are long or short, and finally, the stop can be a trailing stop if you choose.

For the trailing stop, if you are long the stop will be subtracted from the highest low, and advance if the low of each new bar is higher. If the next bar has a lower low the stop will stay at the same point. If you are short, and choose trailing, the stop will be added to the high of the bar, and will drop each bar that has a lower high, but will not advance if the next bar has a higher high.

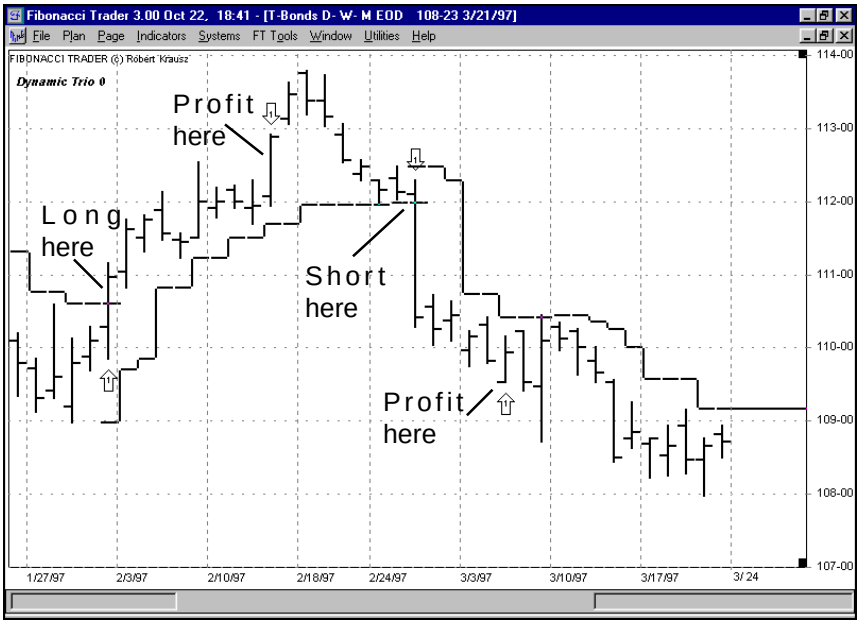
The next option is to close all trades at the end of the day. Day traders, may want a system that does not carry positions over night, so check this box and all trades based on an intraday system will be exited at the close of the trading day. Otherwise the intraday system will keep the position open overnight. Again, no slippage is considered for fills, but if the opening price exceeds your stop loss level, then the opening price will be used. You also have the option of having your stop loss point plotted as an arrow on the Plan.

PROFIT PROTECTION

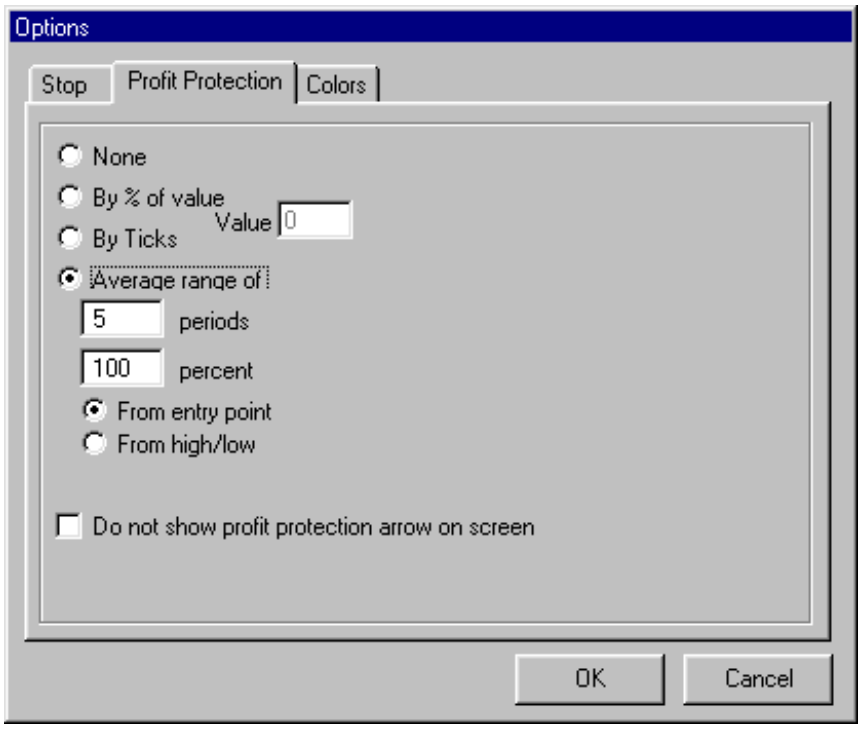
Click on the Profit Protection tab. Here, you set paramaeters to take profits either by a set objective of ticks or a percentage gain based on your entry price. You can also set also set the objective as a percentage gain based on the average bar range of a lookback period. In addition, you can set the profit objective to be based on a percentage retracement from the peak or trough of a trend. The first option is "None." This would be clicked to remove any previous profit protection instructions.



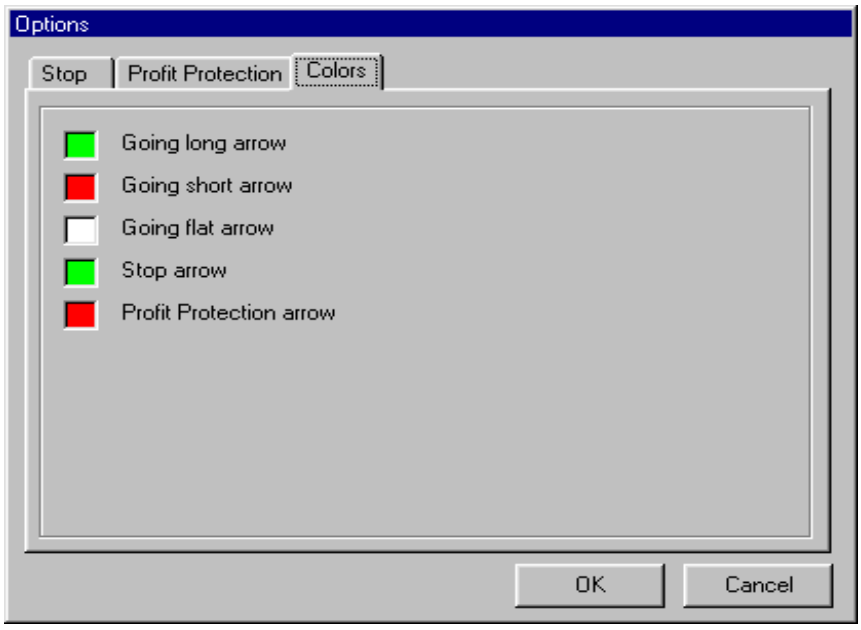
The next option is "By % of value. Once you click on this option you will need to to place a value in the box. For example, in the chart on the right the entry system is enter a postion if the market pentrates the Dynamic Trio Own line and the profit objectis is 2% of the entry price. If the price moves 2% of the entry price in your favor the system goes flat, and waits for the next signal. If the market opens past your profit point the program will use the opening price for your exit price. The next option is "By ticks." Enter in an amount of ticks for a profit objective. For example, you may set up your



system to automatically take profit 20 ticks from the entry price. Another feature is to calculate the average bar range over a lookback period as a profit objective. For example, set the Average range to 5 periods, and the percent to 100. The program will track the 5 bar range and add that to the entry point if you are long, or subtract from the entry point if you are short. If the price hits your objective the system will go flat and wait for the next entry signal. Finally, you have the option of the Profit Protection Arrow appearing on the plan or not.

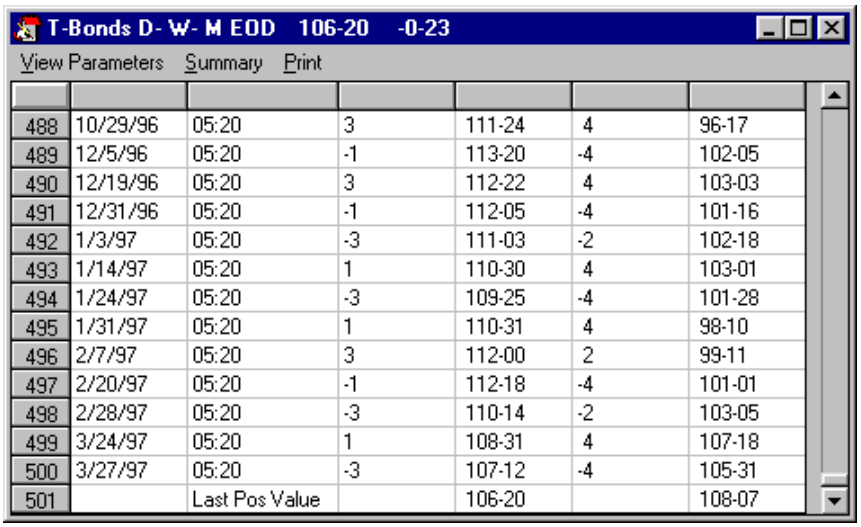


The Colors Tab provides you with the choice of colors for the arrors for Going Long, Going Short, going Flat, Stop Arrow and Profit Protection Arrow.

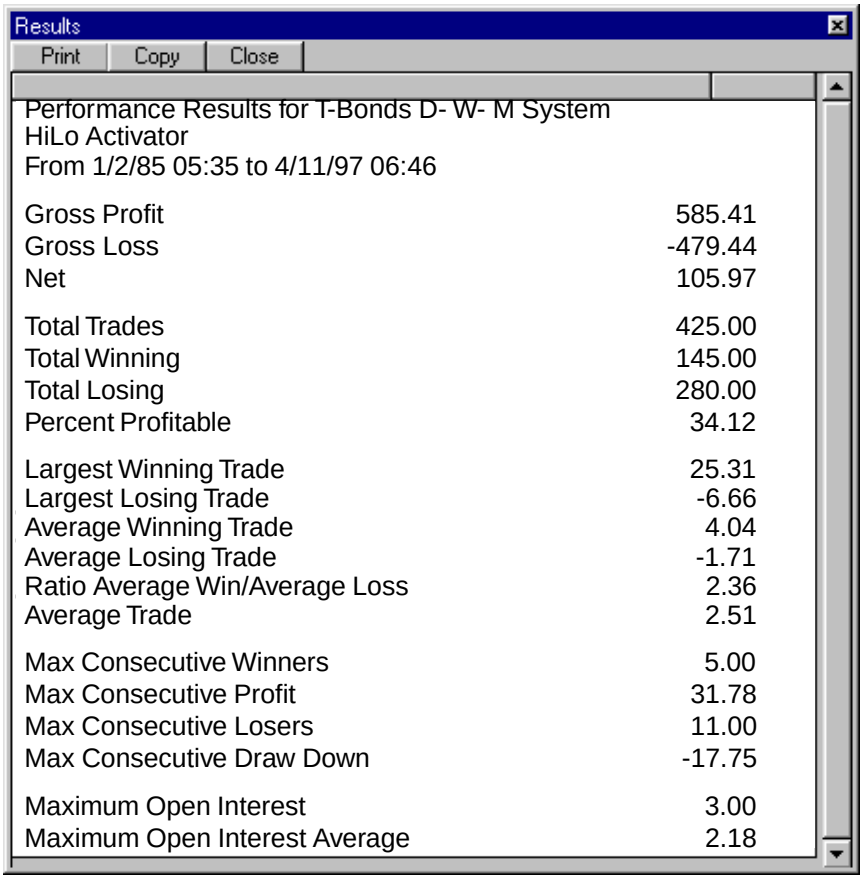


Systems Reports

The Fibonacci Trader program produces three reports for a system. The reports are available by right mouse clicking over the name of the system in the top left hand corner of the chart and selecting Results. The first report is a trade by trade listing giving you the date, time if intraday, quantity, price, stop & reverse quantity, and the cumulative total number of ticks the system produced. You can copy any and all of the information by draging your mouse over the data and pressing the key "Ctrl" and the letter "C," then paste to the application you want to use.



488	10/29/96	05:20	3	111-24	4	96-17
489	12/5/96	05:20	-1	113-20	-4	102-05
490	12/19/96	05:20	3	112-22	4	103-03
491	12/31/96	05:20	-1	112-05	-4	101-16
492	1/3/97	05:20	-3	111-03	-2	102-18
493	1/14/97	05:20	1	110-30	4	103-01
494	1/24/97	05:20	-3	109-25	-4	101-28
495	1/31/97	05:20	1	110-31	4	98-10
496	2/7/97	05:20	3	112-00	2	99-11
497	2/20/97	05:20	-1	112-18	-4	101-01
498	2/28/97	05:20	-3	110-14	-2	103-05
499	3/24/97	05:20	1	108-31	4	107-18
500	3/27/97	05:20	-3	107-12	-4	105-31
501		Last Pos Value		106-20		108-07



Performance Results for T-Bonds D- W- M System
HiLo Activator
From 1/2/85 05:35 to 4/11/97 06:46

Gross Profit	585.41
Gross Loss	-479.44
Net	105.97
Total Trades	425.00
Total Winning	145.00
Total Losing	280.00
Percent Profitable	34.12
Largest Winning Trade	25.31
Largest Losing Trade	-6.66
Average Winning Trade	4.04
Average Losing Trade	-1.71
Ratio Average Win/Average Loss	2.36
Average Trade	2.51
Max Consecutive Winners	5.00
Max Consecutive Profit	31.78
Max Consecutive Losers	11.00
Max Consecutive Draw Down	-17.75
Maximum Open Interest	3.00
Maximum Open Interest Average	2.18

From this window you can select to view the parameters of the system, see the next two reports by clicking on Summary, or print the report. If you click on Summary your choices are the Performance report and the Risk report. The table on the right is the Performance Report. The Open Interst figures at the bottom refer to the number of contracts the system carried.

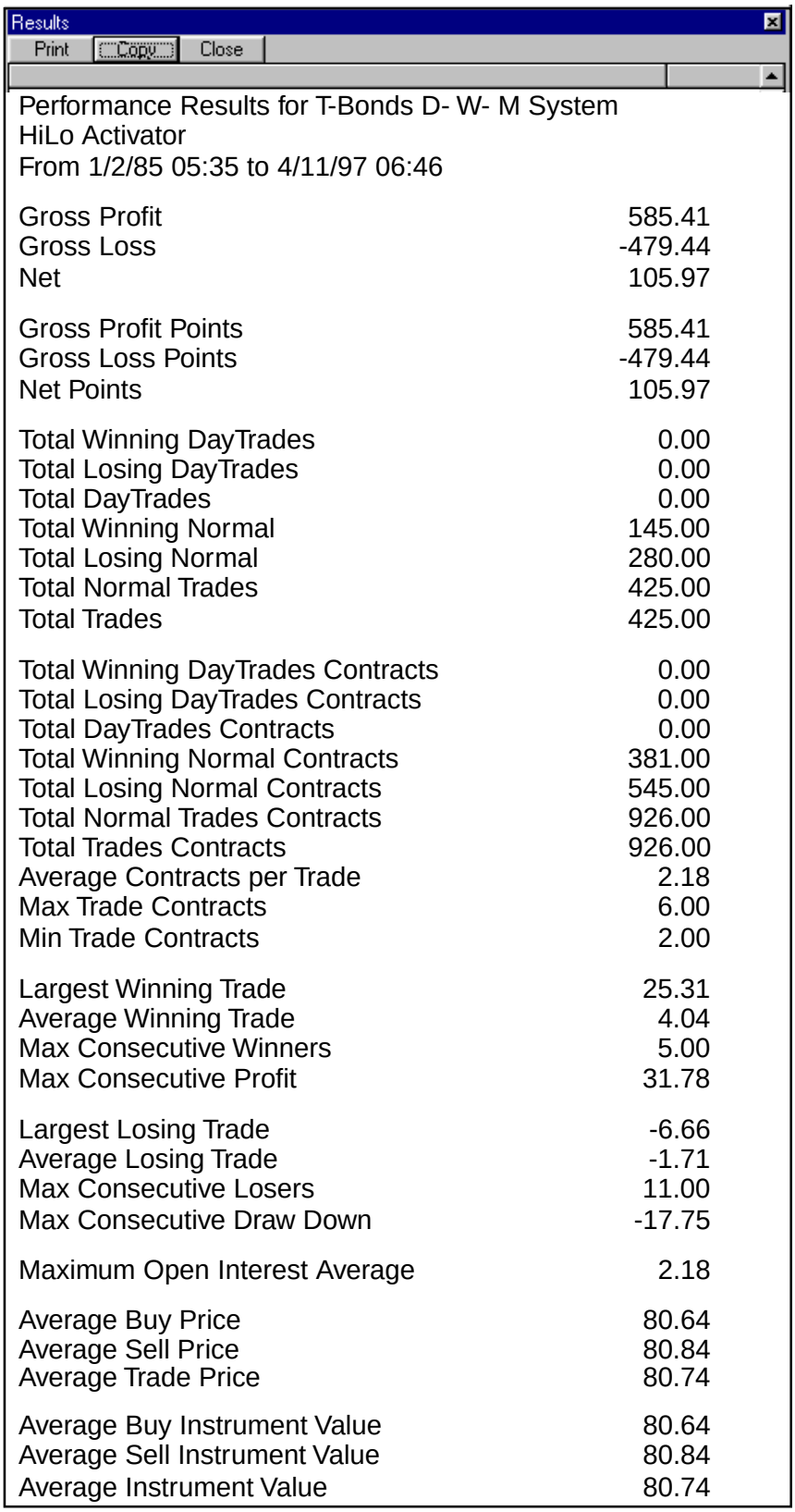
The Risk report, here shown on the right, is a much more detailed

report. This report breaks down the trading statistics to include day trades as well as overnight (normal) trades.

In addition, the reports lists the total number of contracts traded, including the number of contracts for winning and losing trades. With this information you can calculate the impact commissions would have on your systems' performance.

The average buy price and average sell price are included, as well as the average buy instrument value and sell instrument value. Other contracts have an instrument value because of the size of the contracts, such as wheat is 5,000 bushels multiplied by the price equals the instrument value.

Any results that you save are viewed by going to the Contracts Lists and right mouse clicking on the contract.



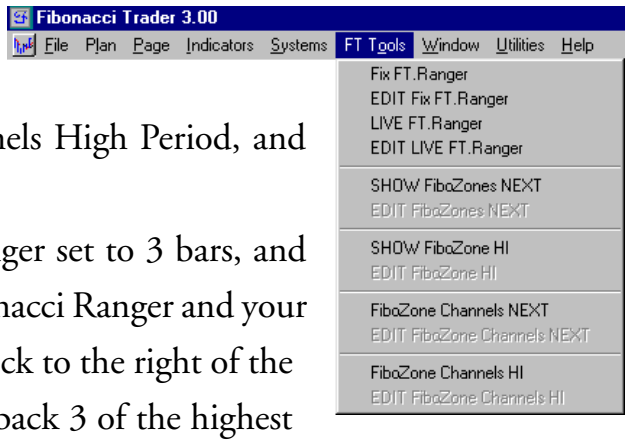
Performance Results for T-Bonds D- W- M System
HiLo Activator
From 1/2/85 05:35 to 4/11/97 06:46

Gross Profit	585.41
Gross Loss	-479.44
Net	105.97
Gross Profit Points	585.41
Gross Loss Points	-479.44
Net Points	105.97
Total Winning DayTrades	0.00
Total Losing DayTrades	0.00
Total DayTrades	0.00
Total Winning Normal	145.00
Total Losing Normal	280.00
Total Normal Trades	425.00
Total Trades	425.00
Total Winning DayTrades Contracts	0.00
Total Losing DayTrades Contracts	0.00
Total DayTrades Contracts	0.00
Total Winning Normal Contracts	381.00
Total Losing Normal Contracts	545.00
Total Normal Trades Contracts	926.00
Total Trades Contracts	926.00
Average Contracts per Trade	2.18
Max Trade Contracts	6.00
Min Trade Contracts	2.00
Largest Winning Trade	25.31
Average Winning Trade	4.04
Max Consecutive Winners	5.00
Max Consecutive Profit	31.78
Largest Losing Trade	-6.66
Average Losing Trade	-1.71
Max Consecutive Losers	11.00
Max Consecutive Draw Down	-17.75
Maximum Open Interest Average	2.18
Average Buy Price	80.64
Average Sell Price	80.84
Average Trade Price	80.74
Average Buy Instrument Value	80.64
Average Sell Instrument Value	80.84
Average Instrument Value	80.74

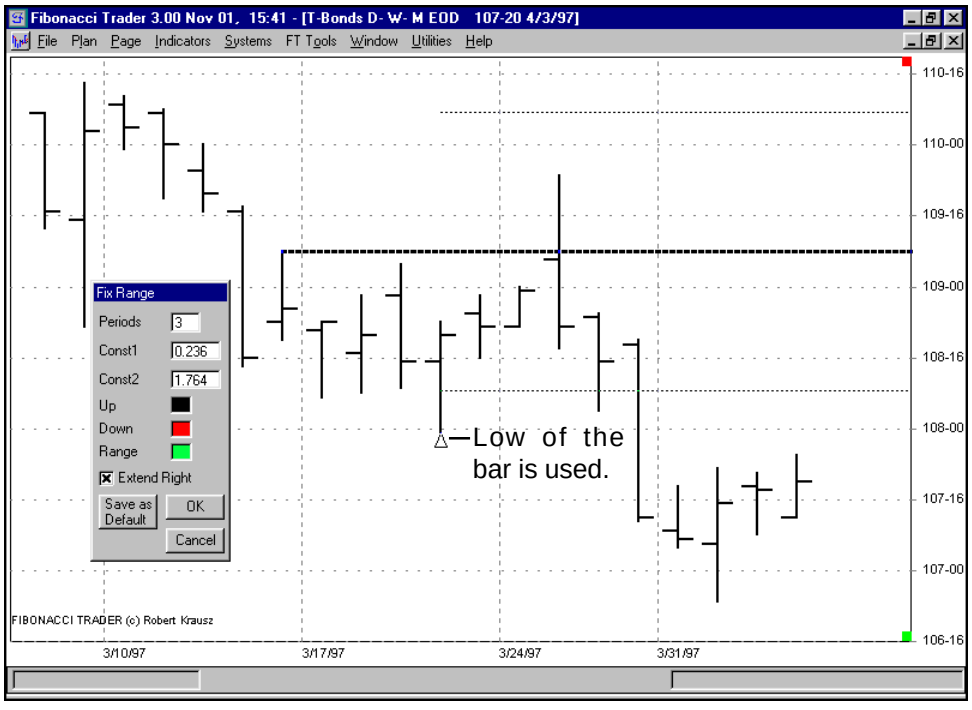
FT Tools

Fibonacci Trader Tools

This pull down menu accesses the Fix Fibonacci Ranger, edit Fix Fibonacci ranger, Live Fibonacci Ranger, Edit Live Fibonacci Ranger, Fibonacci Zones Next Period, Edit Fibonacci Zones Next Period, Fibonacci Zones Channels Next Period, Edit Fibonacci Zone Channels Next Period, Fibonacci Zone Channels High Period, and Edit Fibonacci Zones Channels High Period.



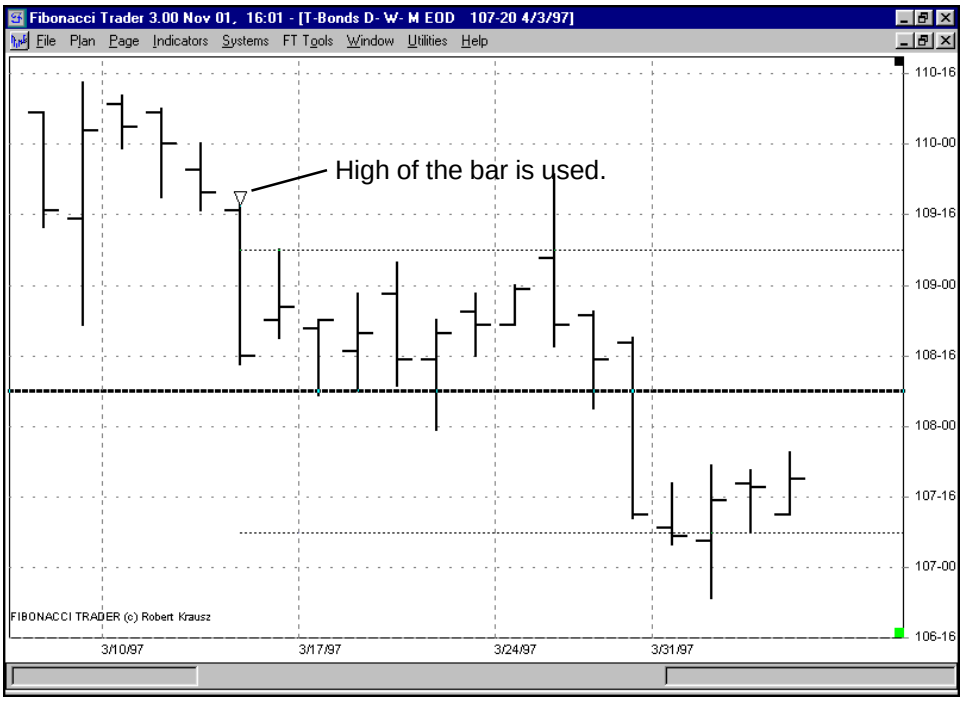
The chart shown here is the Fibonacci Ranger set to 3 bars, and the range is 0.236 and 1.764. Click on the Fibonacci Ranger and your arrow changes to the FR control icon. If you click to the right of the low of the trading bar the program will count back 3 of the highest highs from and including the high of the bar you selected, and plot a 23.6% retracement of the range of the low to the high three highs back and a 176.4% retracement of the range. The same method is applied to the high, only in reverse, of the trading bar.



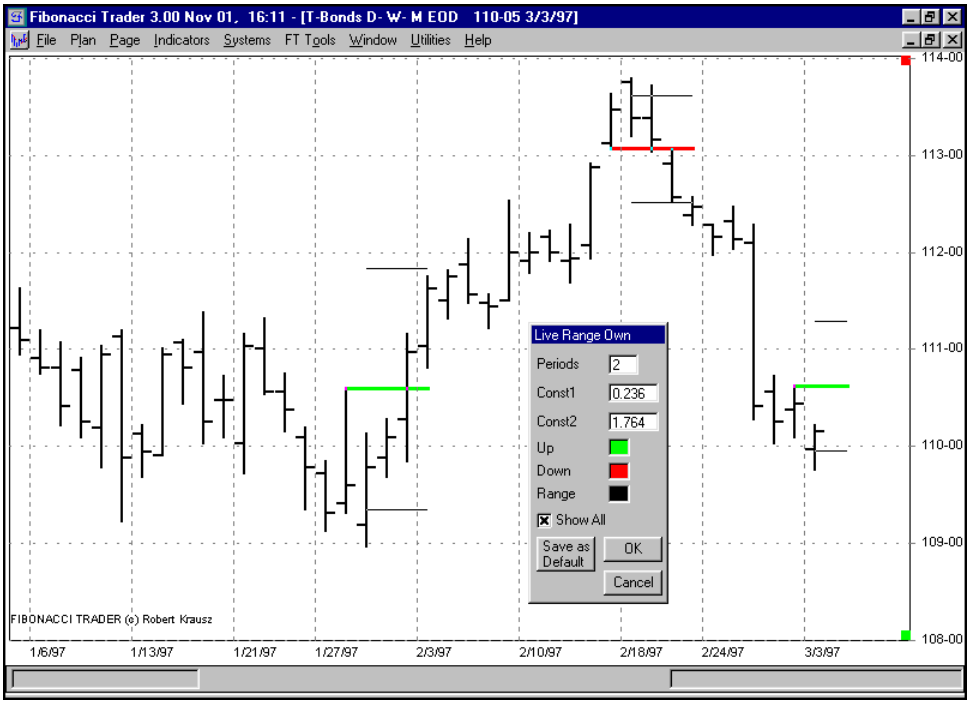
The lookback and ranges can be edited

Here is an example of the Fibonacci Ranger applied to the high of the bar. The arrow or

triagle indicates whether the tool is applied to the high or the low.

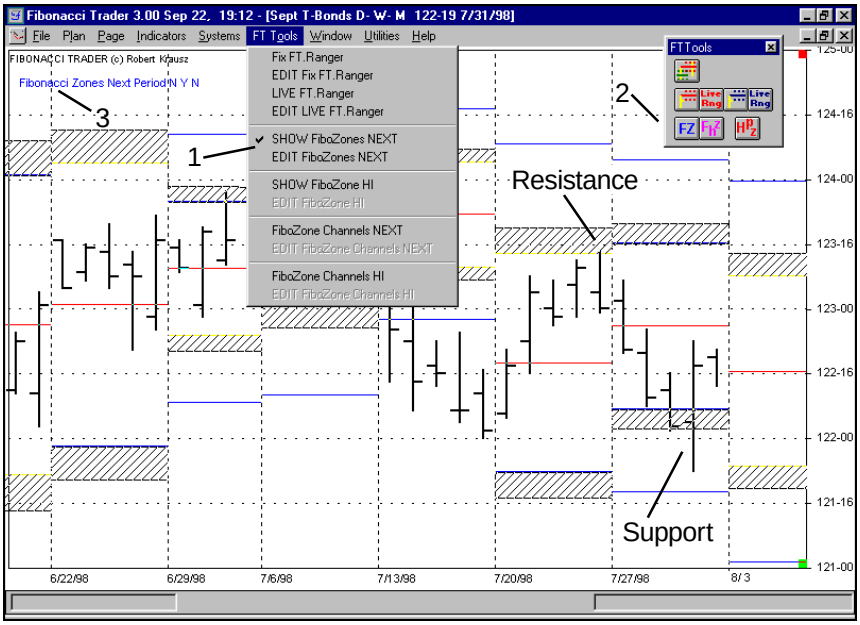


The chart on the right is the Live Fibonacci Ranger Own. The program will automatically pull up the range and plot the range values.



FIBONACCI ZONES

Fibonacci Zones are resistance and support zones based on the Next or High time period. The Zones can be accesed by the pull down "FT Tools" menu or the "FT Tools" found under the Utilities-View Buttons-Fibo Tools Menu.

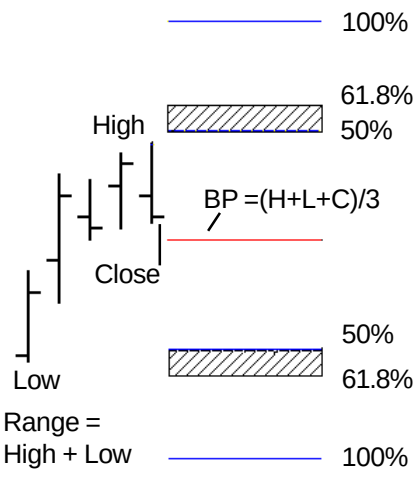


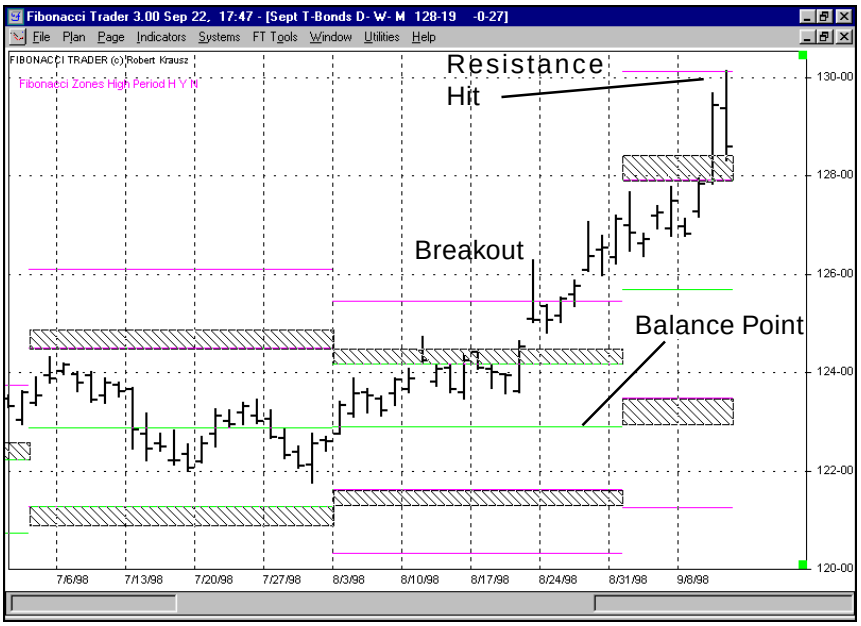
The Fibonacci Zones are important support or resistance levels. Consider taking partial profits if a zone is hit or if a breakout occurs then a new trend may be under way.

Click on Show Fibo Zones Next (1) or FZ (2).

You can edit from either the pull down menu (1) or click on the name of the indicator in the left hand corner (3).

The chart on the right is the High Fibonacci Zones based on the Daily/Weekly/Monthly plan.

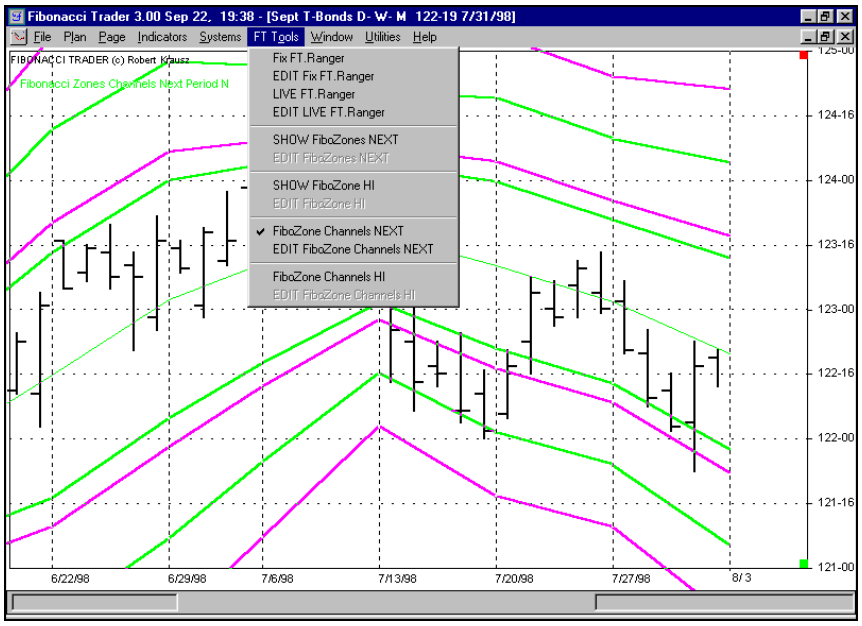




Fibonacci Zones are built upon the time frame's average of the high, low and close and is called the Balance Point. The upper zone is the Balance point plus 50% and 61.8% of the range added to the Balance Point. The Lower band is the BP minus 50% and 61.8% of the range.

Fibonacci Zones Channels Next & High Period

Fibonacci Zones can be plotted as a channel lines instead of horizontal support and resistance levels. The tool can be used to forecast support and resistance levels.



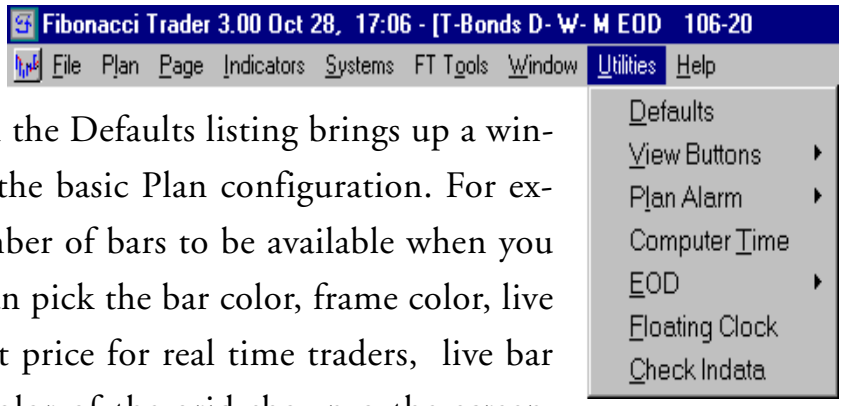
Notice how prices will often hit the same line repeatedly. Right mouse click on the name in the upper left hand corner to edit the ratio values as well as the colors, or other attributes.

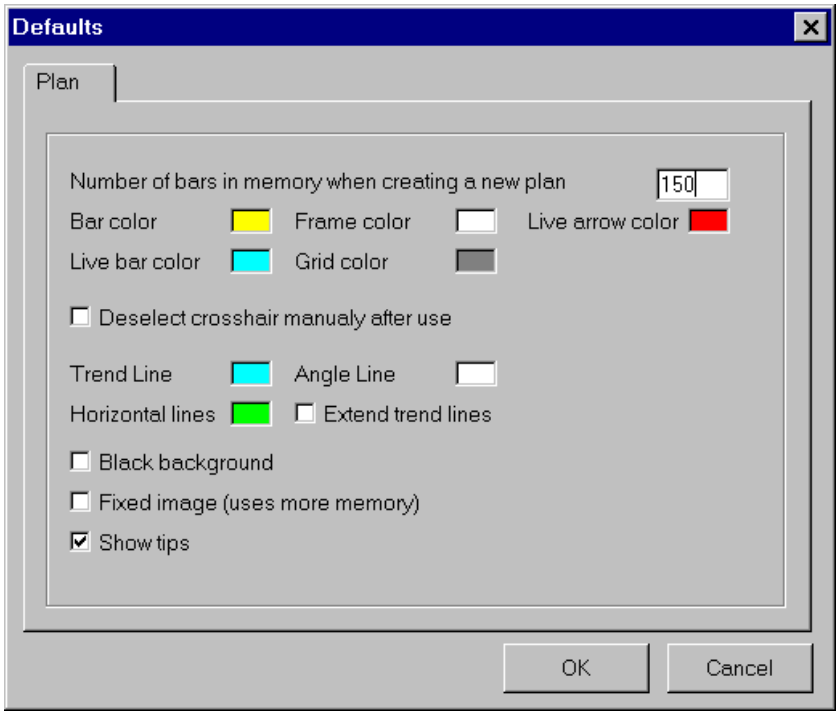
This chart shows the Fibonacci Zones Channels High Period. This set of channels will be used for the longer term trends. Special opportunities may arise when the Fibonacci Zones Channels Next Period hit the Fibonacci Zones Channels High Period.

Utilities

Utilities Menu

When you pull down the Utilities Menu the following list is displayed: Defaults, View Buttons, Plan Alarm, Computer Time, EOD, Floating Clock, and Check Indata. Here, you access various features to manage the program. The first listing is Defaults. Clicking on the Defaults listing brings up a window to set up the defaults of the basic Plan configuration. For example, you can select the number of bars to be available when you first set up a plan. Next you can pick the bar color, frame color, live arrow color (this is the current price for real time traders, live bar (current bar) color, and the color of the grid shown o the screen. Next, you can set the Plan to deselect the crosshairs when you release the mouse. You can pick the color for trend lines, angle lines and horizontal lines. You can choose to have trend lines automatically extend to the right hand side of the chart. You can select to have a black back ground, a fixed image, and show tips. The show tips option instructs the program to automatically open a small text window with information whenever the mouse rests over a feature in the program. Next on the list is View Buttons.





View Buttons

The next choice on the Utilities Menu is View Buttons. Here is the list of the various groups of tool icons that are accessed: File Buttons, Drawing Buttons, Angle and Expansion Button, FiboTool buttons, and Plan Tool Buttons. As each one is toggled on you can have the group float on the chart or post on the side margins of the screen.

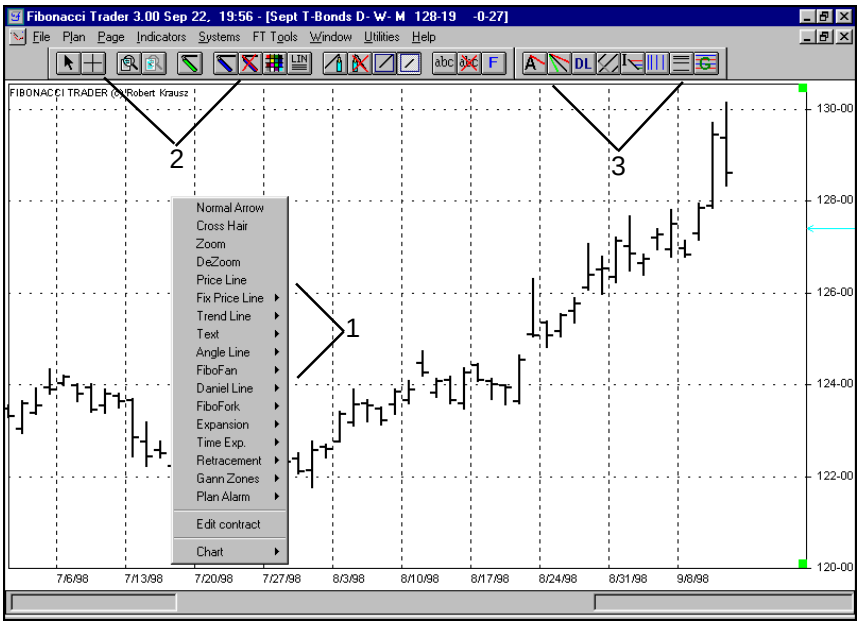
The File Buttons access Create Contract, Open Contracts Window, Create Plans, View Plans, and Open Page. Each of these features have been covered in their chapters based on their location on the Main Menu.

The Drawing Group, Angle and Expansion Buttons, and the Plan Tools are covered in detail in the following sections.

The FT Tools Group incudes the Fixed Fibonacci Ranger, the Live Fibonacci Ranger Own Period, the Edit Fibonacci Ranger Own Period, the Live Fibonacci Ranger Next Period, the Edit Live Fibonacci Ranger Next Period, the Fibonacci Zone Next Period, the Fibonacci Zone High Period and the High Probability Zones. High Probaility Zones was covered in the Indicators section.

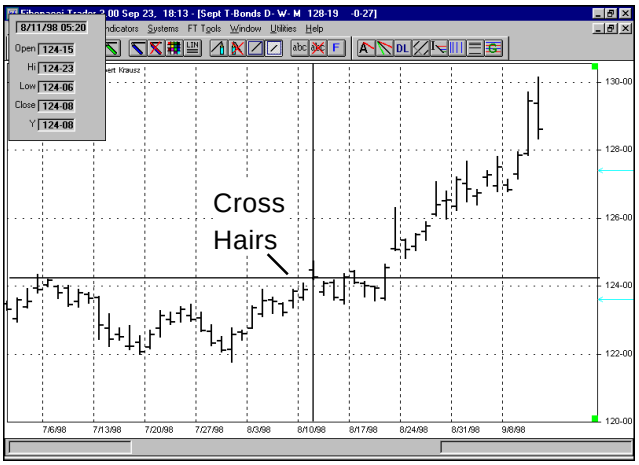
The Plan Drawing Options

By double clicking on the chart the Drawing Options Window (1) opens or you can click on any of the icons on the Drawing Tools (2) or Angle Tools (3). All lines can be selected, edited and deleted by a right mouse click or re-drawn by holding down the left mouse button.



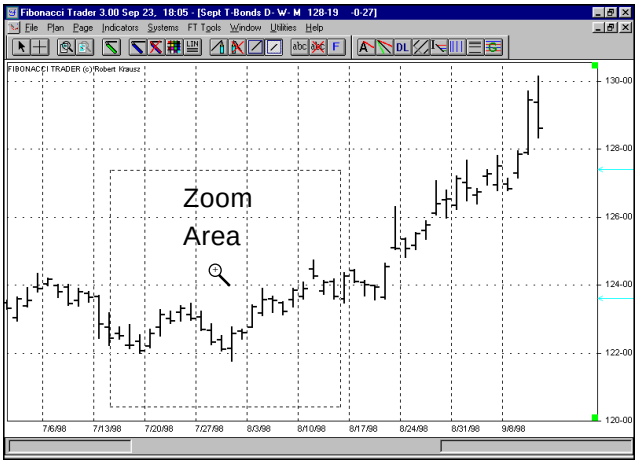
Normal Arrow: A function such as Zoom will change the arrow to a magnifying glass. Click on the Normal Arrow icon to return the mouse pointer to an arrow.

Cross Hair: Clicking on the Cross Hairs and the pointer will bring up cross hairs and a windoww displaying the date, time, open, high, low, close and Y value of the scale.

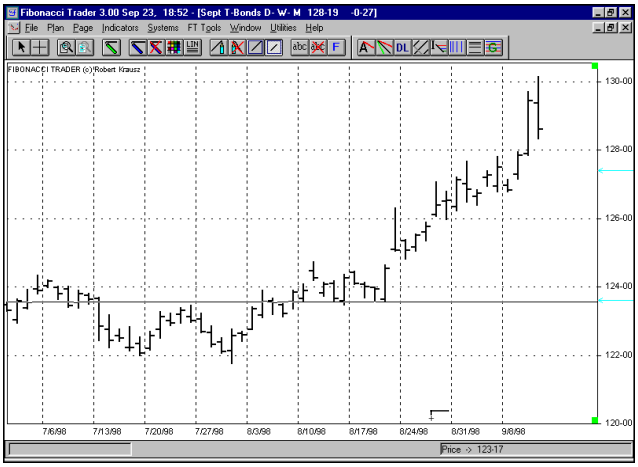


Zoom: Click on Zoom and the pointer turns to a magnifying glass. Draw a box from the left hand corner down using the pointer and then click in the box to enlarge the area.Click outside the box to cancel the zoom.

DeZoom: Click on DeZoom to return the chart to its normal state.

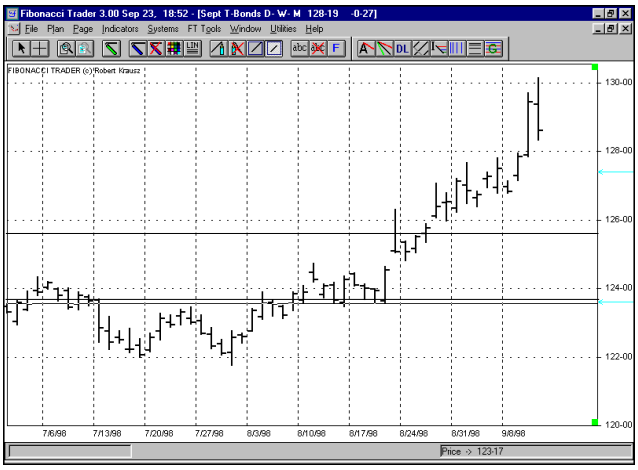


Price Line: This function is used to see the price values in the plan. Click on this button and the pointer will change to a horizontal line and the current value will appear in the message box in the lower right corner of the Status Bar.



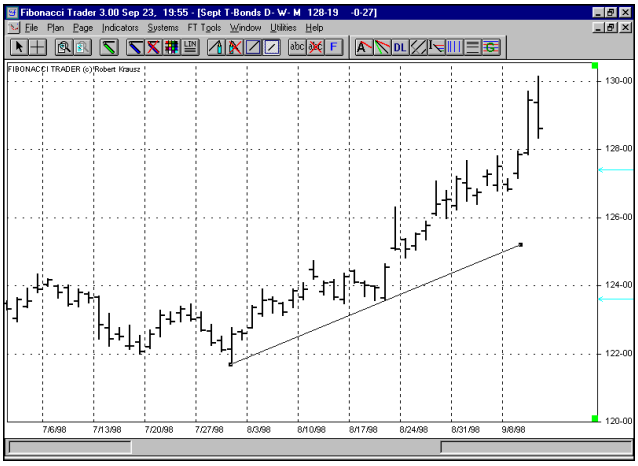
Price Line

Fixed Value Line: This function is used to place fixed horizontal lines. Click on the first button and the pointer will change to a horizontal line and the current value will appear in the message box. Click the next button to erase. Click the color button to change the colors of the lines. The last button will, LIN will link all lines created in one plan to all other plans. To delete a line click near the end of the line and a small box will appear, then press the delete key.



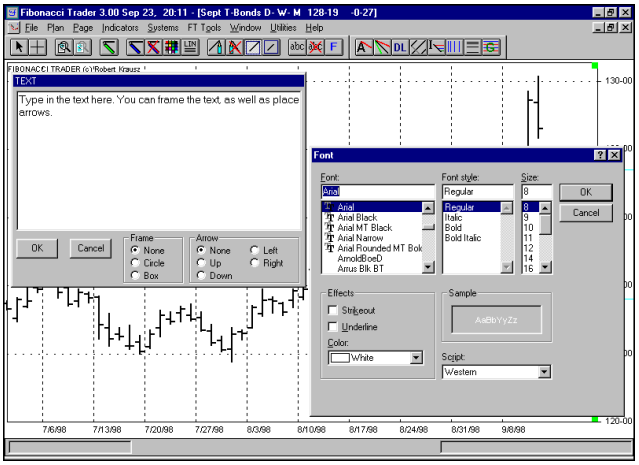
Fixed Value Line

Draw Trend Line: The first button will draw the trend line. Your mouse pointer will become an arrow. Draw the trend line. You can edit the trend line by a right mouse click over the line. You can move the trend line by a left mouse click and two small boxes will apear. Delete the trend line by clicking the second button from the left or a right mouse click and select delete. Select the next button to extend a new trend line. The last button will keep the trend line at the length when you let go of your mouse.



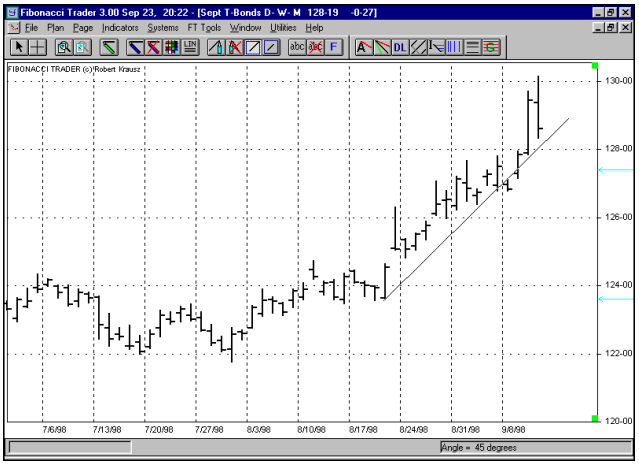
Draw Trend Line

Place Text: Click the abc button and a Text Widow will appear. Type in the text you want to appear on the chart. Click OK and the mouse pointer will become a T. Drag the T to form a box and click inside the box and the text will be on the chart. Right mouse click on the text to edit or delete. Place your mouse over the text and hold down the left button and drag the text to prpoer place on the chart. You can frame the text, as well as place arrows on the chart.



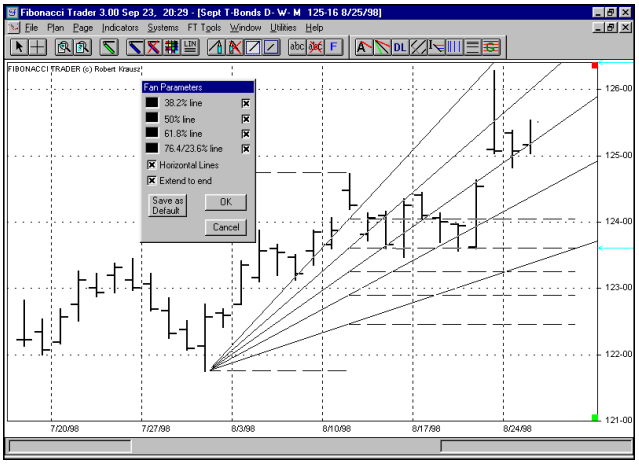
Place Text

Draw Angle Line: Click and draw a trend line based on an angle. The angle value will be shown in the view window in the right hand corner of the status bar. Right mouse click on the line to edit or delete. All lines can be edited by a right mouse click. Select and hold the left mouse button and you can drag the line.



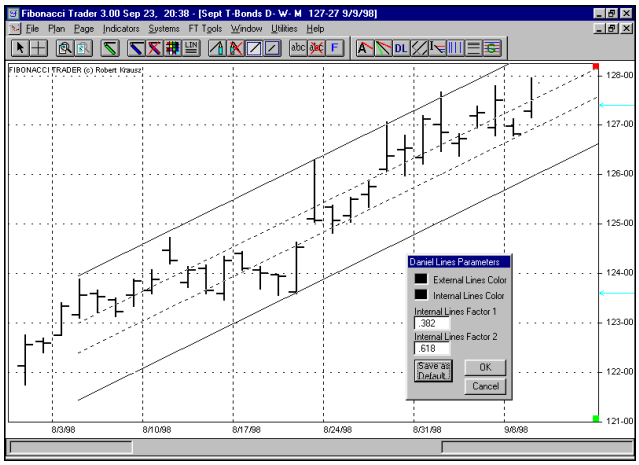
Draw Angle

Draw Fibonacci Trader Fan: This drawing tool is a unique feature. Click on the button then pick the low or high bar to start the plot from. Drag to the high or low point you wish to analyse. The fan lines and horizontal lines can be editied by clicking the left mouse button near the beginning of the fan lines. Different fanlines can be plotted, colors changedd, and horizontal lines extended.



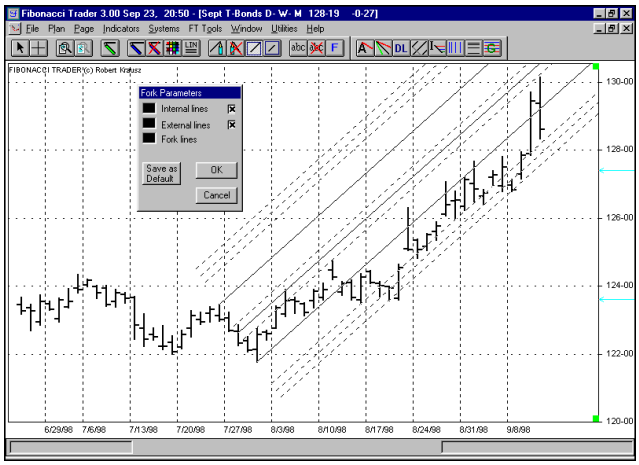
Draw Fibonacci Trader Fan

Draw Daniel Lines: This is a parralel chart tool except the channels include the 38.2% and 61.8% internal trend lines. Click the button and draw the first trend line then place the mouse over the point to draw the parralel line.



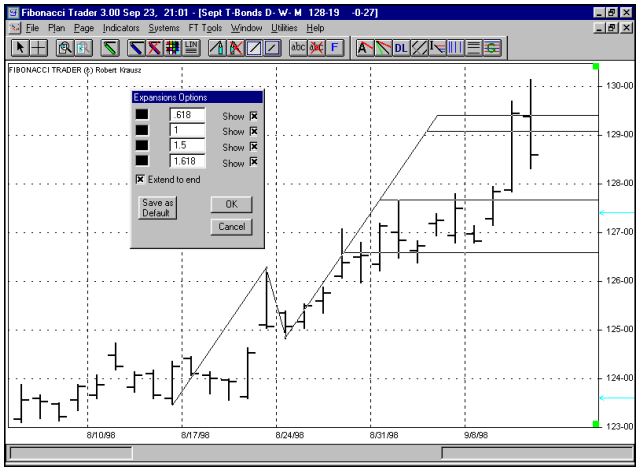
Draw Daniel Lines

Draw Andrew Forks A La Fibonacci: Click on thebutton then draw across the countertrend move. Next the mouse will change to “CLICK.” Click at the end point of the trend and the Andrew Forks and Fibonacci expansion lines will appear.



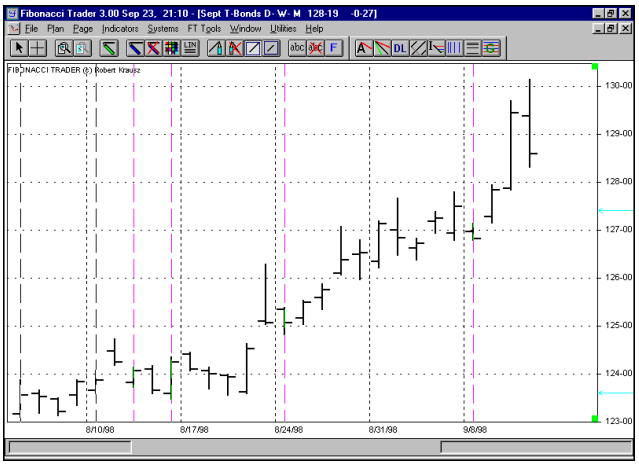
Draw Andrew Forks A La Fibonacci

Draw Fibonacci Expansions: Click the button and place the pointer where you want the expansion to begin. Drag in the direction of the trend then release the mouse. The mouse will change to “CLICK” then click on the countertrend point. A trend line will appear in the same direction of the trend with a 61.8%, 100%, 150% and 161.8% objectives plotted.



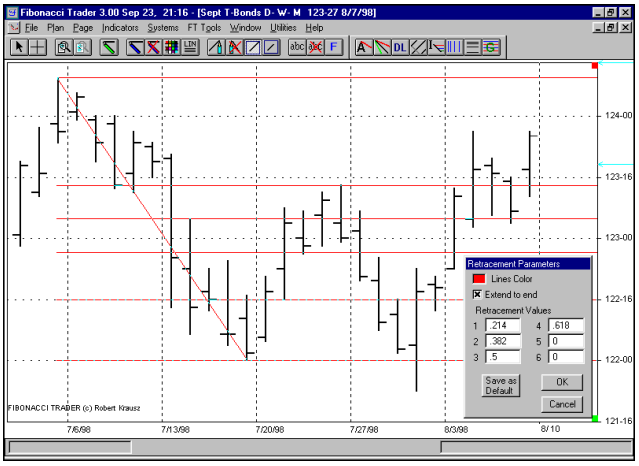
Draw Fibonacci Expansions

Draw Fibonacci Time Expansions: Click on the button then drag the pointer between two bars. The time expansions will appear projected into the future.



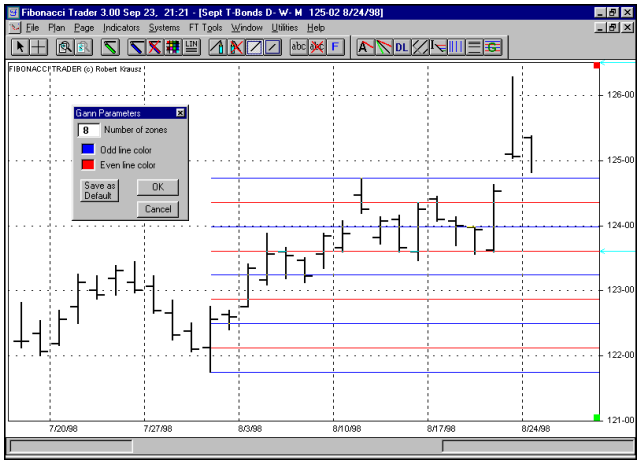
Draw Fibonacci Time Expansions

Retracement: Click on the button and then drag between the high and low points of the trend. The retracement levels will appear. The retracement levels and color can be edited.



Retracement

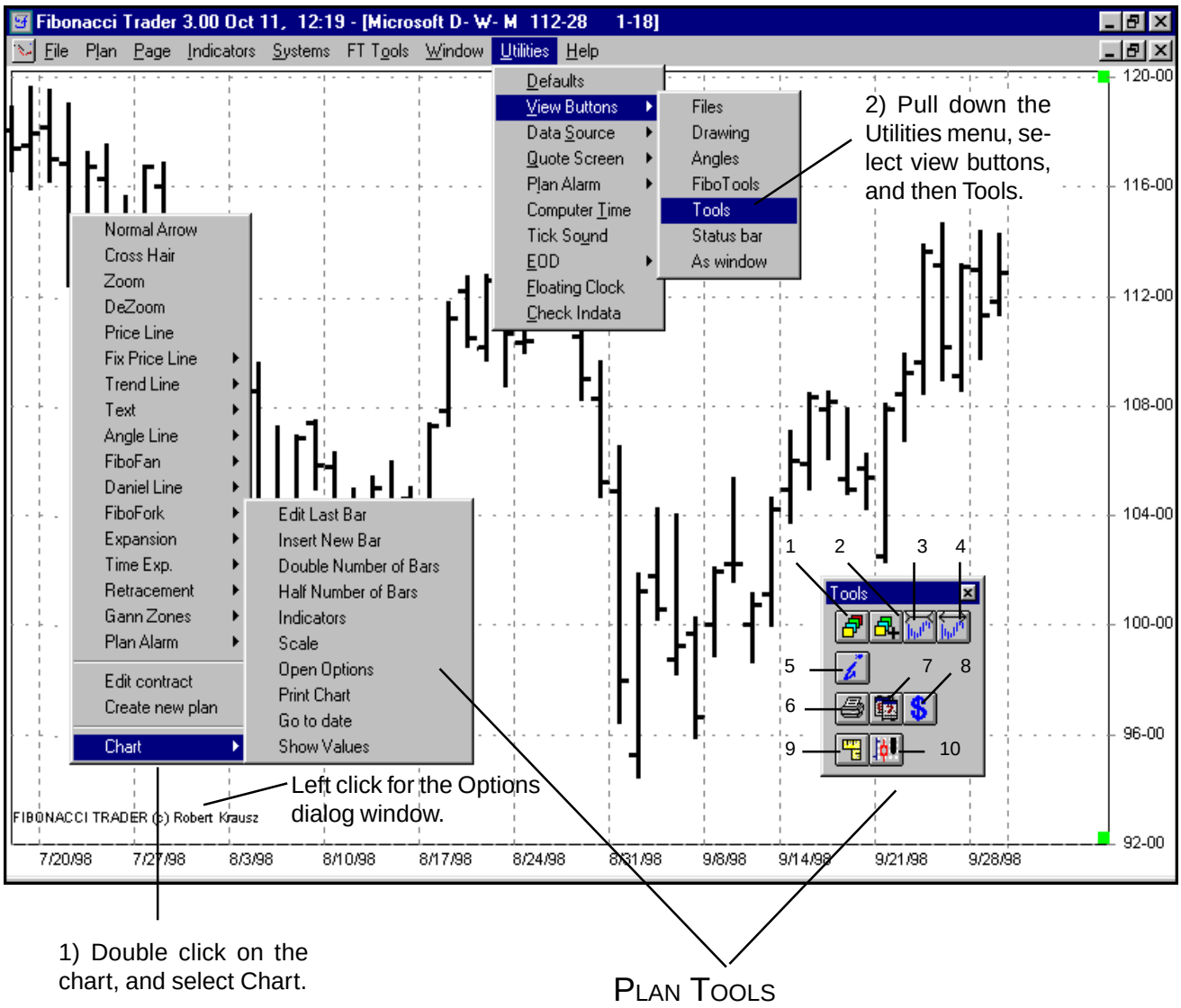
Gann Zones: Select this button and drag between the high and low points for the trend. Release the button and eight evenly spaced zones will appear. You can edit this tool to draw a different number of evenly spaced zones.



Gann Zones

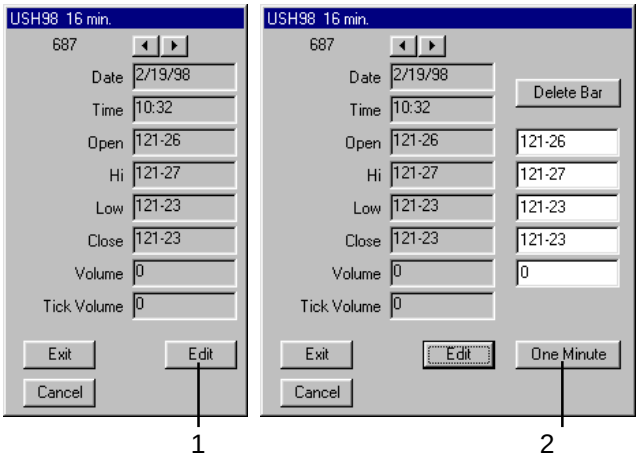
The Plan Tools

This is a set of tools for modifying and managing the chart of the plan. You can access the Plan tools by (1) double clicking on the chart or (2) by pulling down the Utilities menu, select View Buttons and then Tools.

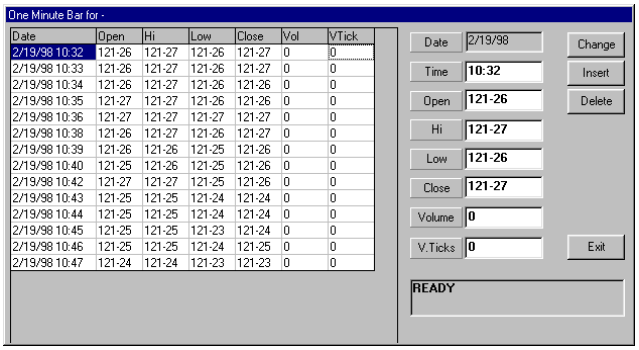


The Plan Tools enable you to (1) edit last bars, (2) insert bars, (3) double number of bars displayed, (4) reduce the number of bars displayed, (5) manage indicators, (6) print, (7) go to date, (8) show values, (9) scale, (10) options. The Options dialog window can be accessed by left clicking on the name Fibonacci Trader on the plan.

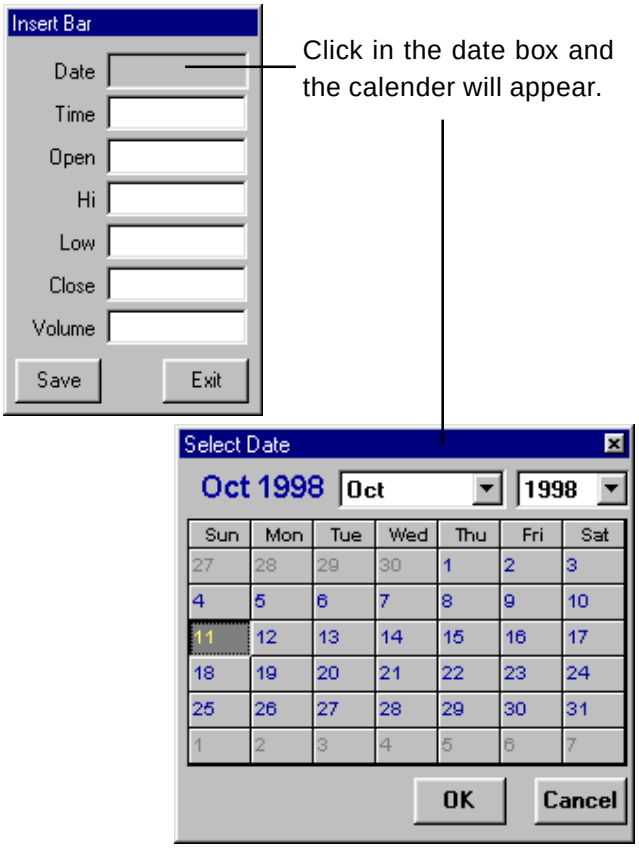
Edit Bars: Right click on the bar you want to edit, click on the Edit button or select Edit bars after double clicking on the Chart and select Chart. Click on the Edit button (1) and the window extends to the right showing a window with the open, high, low and close. Enter the changes for the bar's values and click exit. The left and right arrows at the top of the first window can be used to select the bar you wish to edit.



If you have real time intra-data click on the one minute button and you can edit the one minute bars. Left click in the first column you wish to edit, then enter the changes in the windows on the right side of the edit window. Click on change, insert or delete, depending on your action, then click exit. All plans will be updated.

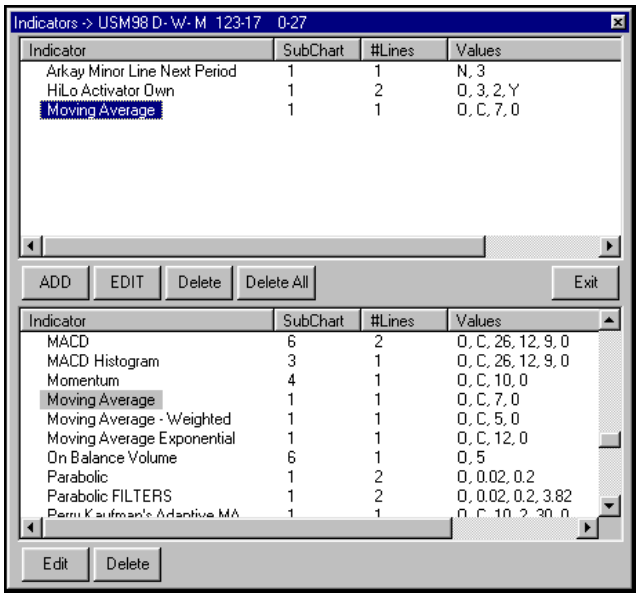


Insert Bar: To insert a bar click on this button. The window to the right will appear. To select the date, click on Date and the Calender window will appear. select the date, click OK and then enter in the data for the new bar. If the data is intra-day then the time of the bar is necessary. Click save when the new information is complete.

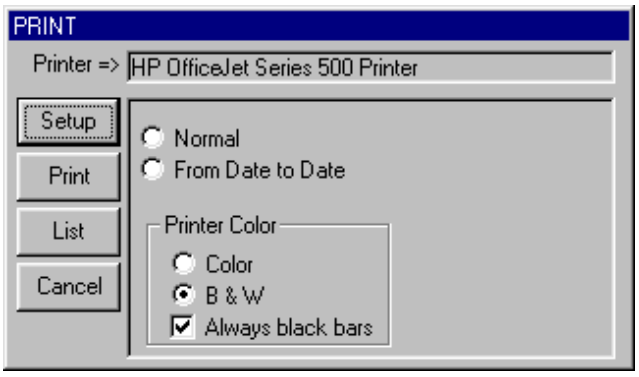


Double and Half Bars: The left button will double the number of bars displayed in the plan. The right button will present one half of the number of bars in the plan.

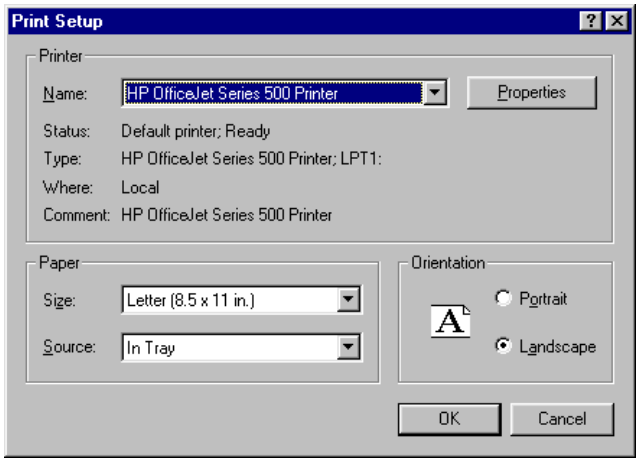
Indicators: This button opens the Indicators window. Here, you can add, edit and delete indicators. Please see the Indicators section for more information on using indicators.



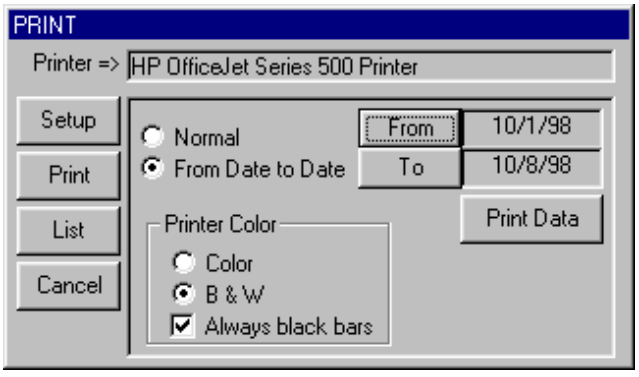
Print: This button opens the Print Window below. You can Setup the printer, set the date range for a particular plan or create a list to be printer automatically at a certain time.



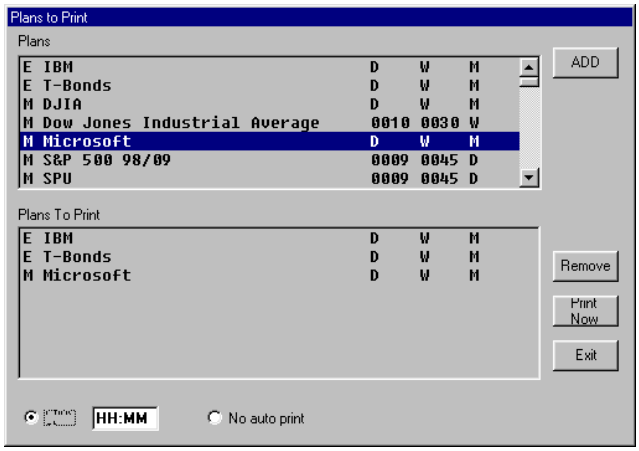
Print the chart on the screen.



Setup the printer.

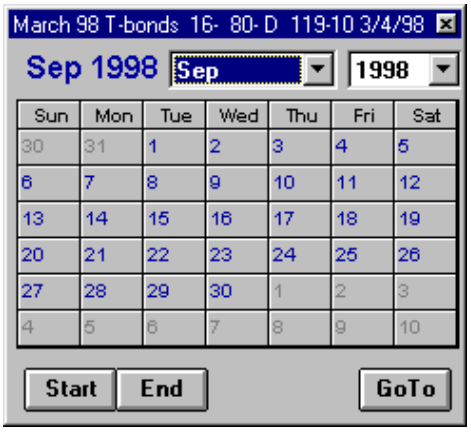


Click on "From Date to Date" and click on "From." A calender will open and you can select the range of dates for your plan.

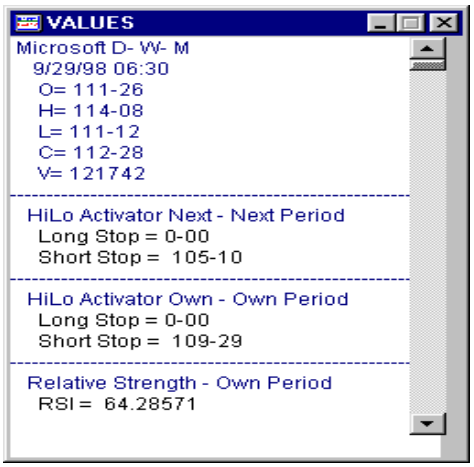


Create a list of plans to be printed and set the time of day to automatically print.

Go To Date: This button opens a calender window. Click on “Start” to go to the first bar of the plan. click on “End” to go to the last bar of the plan. Select a date and click on “Go To” to veiw that date in the plan.



Values: This button opens a window that displays the current values of the bar and the indicators. The open, high, low and close are shown. With this window open left click on any bar to see the values for that bar. If you have real time data this window will automatically update as the new data comes into the plan. You can right click and change the fonts.

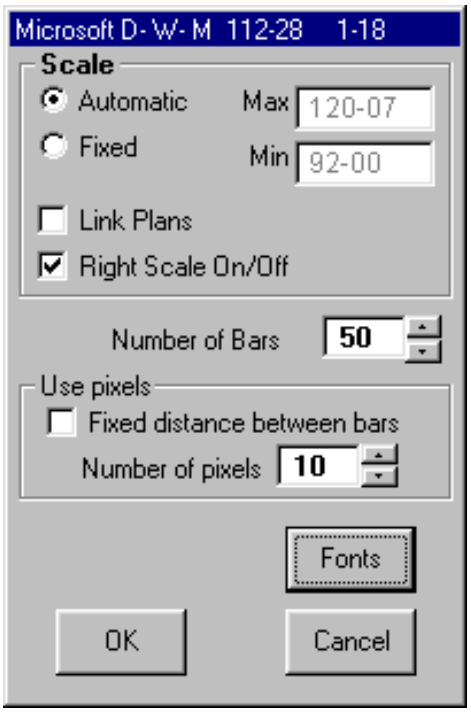


Scale: This button opens up the Scale Window. Here you can set the plan to present the price scale automatically or you can select “Fixed” and set the scale to your own choice.

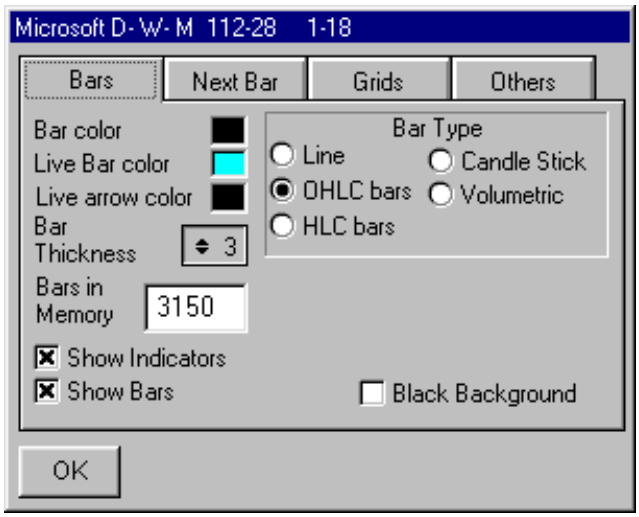
Link Plans will enable you to have open two plans of the same contract on the same page with the two plans linked. If you zoom on one chart the other chart will adjusts it scale auutomatically.

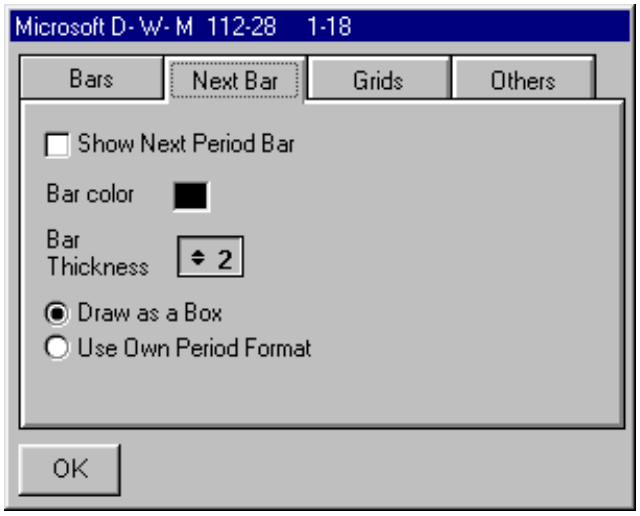
You can adjust the number of bars viewed on the screen and the number of pixels between bars.

You can select new fonts and colors by clicking on the “Fonts” button.



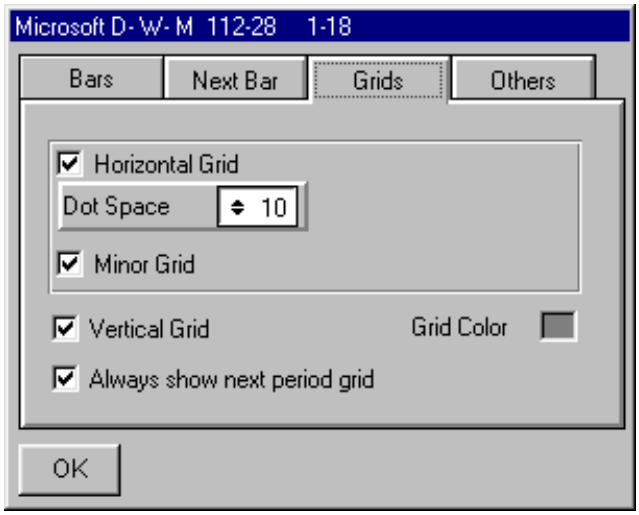
Options (Bars): This button opens numerous choices for the apperance of the plan. For the Bars Tab, select your choice of color for bars, the live bar, and the live arrow. Change the thickness of the bars, and the number of bars in memory for display. Click on "Show Indicators" to list the indicators in use at the left hand top corner of the plan. Click on "Black Background" for the default apperance of the plan. The next page shows examples of the Bar Types available.





Options (Next Bar): Select "Show Next Period Bar" to view Encapsualtion (a patent has been awarded for style of charting). See the next page for an example of Encapsulation.

Options (Grids): Here you make your choices as to the time frame, color and size of the grid on the background.



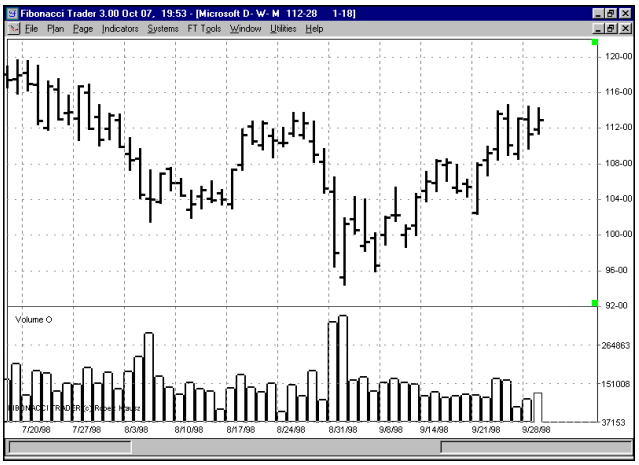
Options (Others): For real time trading, select "What If" and all calculations will be made as if the market has closed for the day. Click again and the bar goes live. Select "Scroll Bar" to bring up the scroll bar at the top of the page.

On the Plan there are two small squares, click the upper right hand corner square and access the scroll bar. Click the lower right hand corner square and the "What if" is switched on. Click again to turn off.

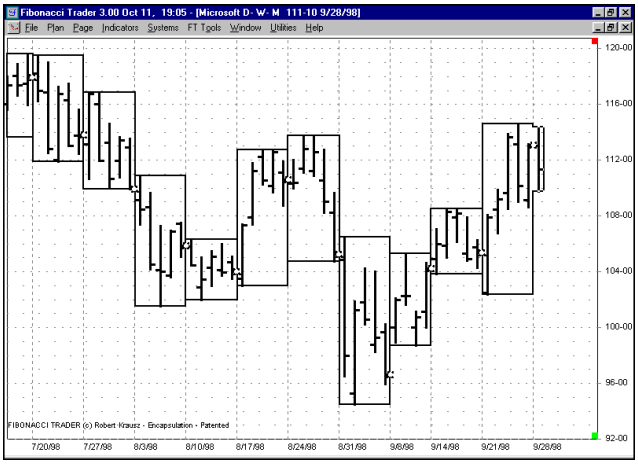
Line Chart

Open, High, Low and Close

Candlestick

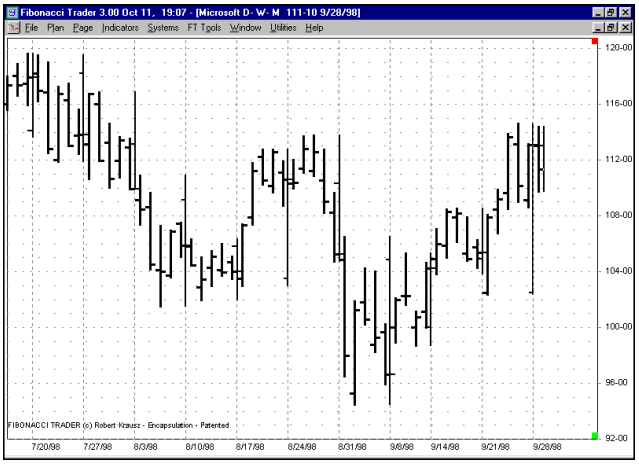


Volumetric



Encapsulation™

Show next period, draw as box

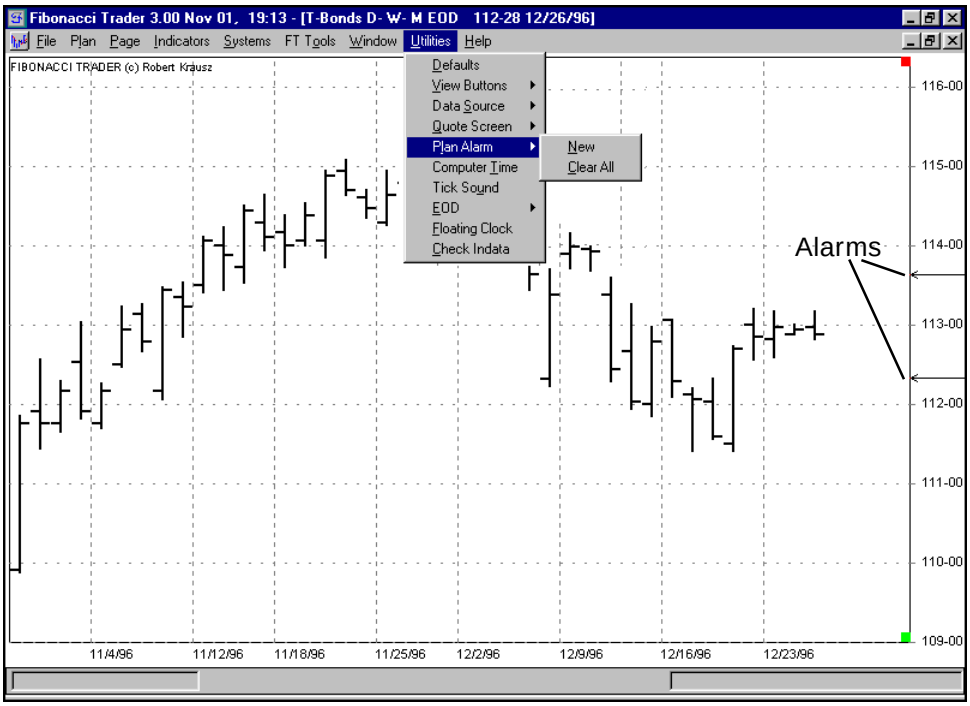


Encapsulation™

Show next period, use own period fomat

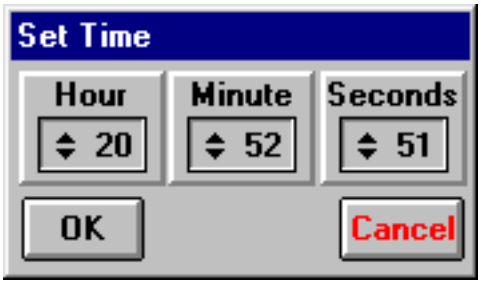
Plan Alarms

For price alarms simply select Price alarms and New. Then click on the plan at the price that you want to trigger the alarm. Select Plan Alarms, and Clear All to remove the alarms from your Plan. If the Alarm Window opens then click on Close to close the alarm.



Set Time

This window will set the time.



EOD

This is a data base management tool. Fibonacci Trader converts your data base files into it's own format. Therefore, when you update your data base you may receive more current information for yesterdays data, such as the esitmated volume for a futures contract is now the stated trading volume. If you select, "Always Reload Last Days" then the program will check and update the last 5 days data and convert it to the Fibonacci trader format, instead of just today's data. If you open a plan and the data looks incorrect, then select "Reload File"

and the program will go to your data base and convert the data to Fibonacci Trader format again.

Floating Clock

This selection will provide you with an additional clock that you can place anywhere on the screen. Right mouse click on it to remove it.

Check InData

If you gave an FTGT Symbol to your contract, you can export the data using that symbol. Then you can drop the file into the InData directory on another hard drive (C:\FTGT\INDATA) that has the Fibonacci Trader program. Click on Check InData with Plan open and the Fibonacci Trader will automatically update the Plan based on this file from the InData directory.

Best efforts were made as to the accuracy of this manual. For updates and corrections please visit our Web Site http://www.fibonaccitrader.com