

## 4 TA TOOLS OPTIONS & FUNCTIONALITY


**TA Tools** section allows you to apply lines, annotation, auto lines and alerts to a chart.

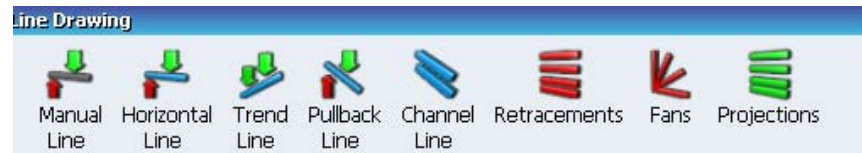
The **TA Tools** tab is split up into 5 categories: *Line Drawing*, *Annotation*, *Auto Lines*, *Alert Lines* and *Settings*.

### 4.1 LINE DRAWING

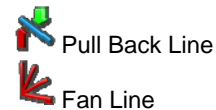
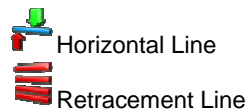
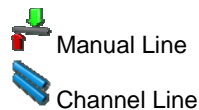
Maverick has the functionality to draw many popular TA Lines. These can be found by going to the **TA Tools** Tab and selecting the required line type.

Lines are primary indicators in Technical Analysis to help identify changes in trend or to represent an important price level within a market.

 For more information on the types of lines please see the Glossary Section



Below is the list of lines that are available on Maverick, for an explanation of a line you can find the information in the Glossary section.



# MAVERICK User Guide



## 4.2 HOW TO APPLY & DELETE A LINE


Lines are primary indicators in Technical Analysis to help identify changes in trend or to represent an important price level within a market.

### Apply a Line

We will now apply a trend line to the active chart

Click **TA Tools** tab, Under *Line Drawing* select the  icon.

By default snap hi/lo function is already depressed, therefore when applying a line with this functionality switched on it will snap the highest or lowest price of the event you want to plot the line on.

Your default cursor will amend to . Select the location of the chart where you would like the line.


Drag your mouse along the chart to then select and plot the second point of the trend line.

(See screenshots to the right)

### Delete a Line


To delete a line from the active chart follow the steps below:

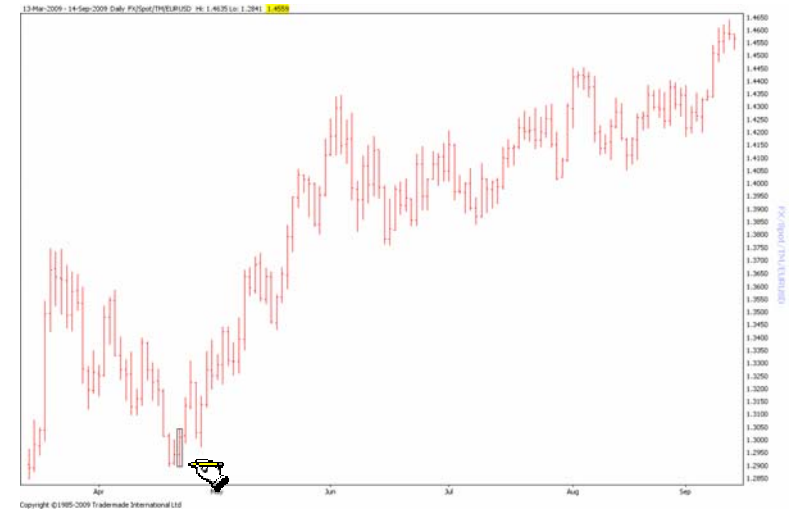
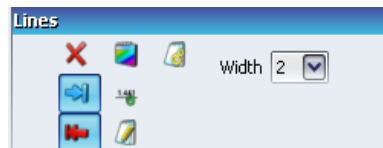
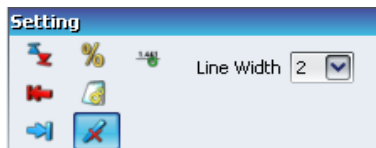
Go to **TA Tools** Tab.

Under *Settings* Section select the *delete line*  Icon

You can also delete a line by: Hover over the line

Select the line; the *Settings* section will then amend to the *Lines* Settings

Select the delete  icon (See screenshots below)





# MAVERICK User Guide





## 4.2.1 TA TOOL DEFAULT SETTINGS


TA Tools settings are a display box that allows you to customize the layout of a line before it is applied to the chart.


 **Snap Hi/Lo:** By default this button is switched on. When this button is switched on then a line are attached to high or lows of an event. When this button is on the cursor will draw a rectangle around each event as you mouse over the chart.


 **Draw Left:** By default this button is off. When this button is turned on all lines drawn will be projected backwards across the chart to the left.

 **Draw Right:** By default this button is on. When this button is on it draws all lines to the right to intersect with the price axis.

 **Default Ratio:** Amend the ratio from Gann to Fib

 **Default Font:** Amend the font, size when apply annotation


 **Delete Lines:** Deletes all lines applied to active chart


 **Default Label on Line:** Amend the layout of the label showing the line value


**Line Width:** Amend the width of the line before applied


## 4.2.2 LINE CUSTOM SETTINGS


When a line is applied to the chart the Settings context will amend to the Lines setting allowing you to perform other functions:


 **Delete Line:** Delete highlighted line


 **Colour:** Amends the colour of the line highlighted

 **Draw Left:** By default this button is off. When this button is turned on all lines drawn will be projected backwards across the chart to the left.

 **Draw Right:** By default this button is on. When this button is on it draws all lines to the right to intersect with the price axis.

 **Default Font:** Amend the font, size when apply annotation

 **Default Label on Line:** Amend the layout of the label showing the line value

 **Edit Label on Line:** Amend the name displayed on the line

**Line Width:** Amend the width of the line before applied

## 4.2.3 LINE CUSTOM SETTINGS: SPECIFIC LINES



**Multiply Lines:** Multiply a line allows you to multiply lines to TA purposes. (Applies to Channel Line)



**Dividing Lines:** Dividing lines allows you to divide lines to TA purposes. (Applies to Channel Line)



**Ungroup:** To be able to separate lines that are grouped when first applied to a chart such as Retracement Lines or lines that have been multiplied such as Channel Lines



**Send to Back:** Sends selected element to the back of all elements applied



**Send Front:** Sends element forward once



**Send to Front:** Sends selected element to the front of all elements applied



**Send Back:** Sends element back once



**Edit Ratio:** Allows you to amend, delete or apply new ratio applied to TA Lines such as Retracement and Fan Lines.



**Ratio (Gann & Fib):** By default amend the ratio from Gann to Fib (Fibonacci = 0%, 23.6%, 38.2%, 50%, 76.4% & 100%) (Gann = 0%, 25%, 33%, 50%, 75% & 100%)

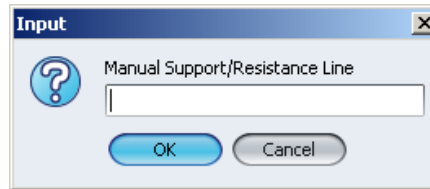
# MAVERICK User Guide

## 4.3 TYPES OF LINES



### Manual Line

To draw a line at a specific level, select the manual line button. A second window will open. Type in the level you want to draw the line at and select "OK". A line will be drawn across the active chart at that level.



### Horizontal Line

To draw a horizontal support or resistance line, select the horizontal button. Then move the cursor into the chart area. If Hi/Lo mode is on, then each event will be outlined. Place the cursor above the event to select the high and below the event to select the low. A horizontal line will be drawn on the chart. Where the line intersects with the right hand vertical axis a value label will appear displaying the value of the line as of now.



# MAVERICK User Guide

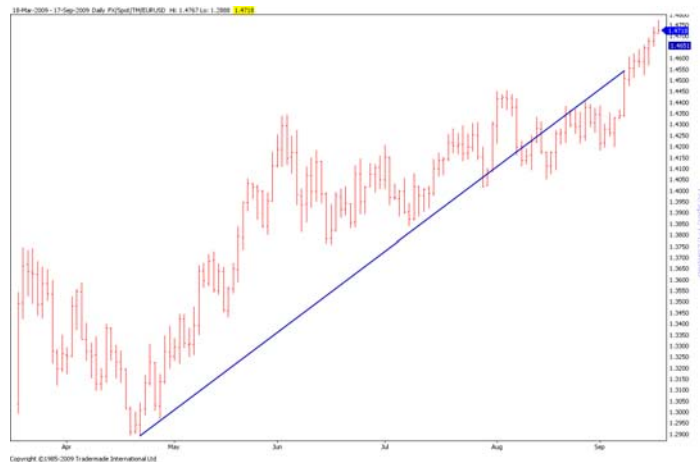
## Trend Line

To draw a diagonal line on the chart, select the trend line button. Then move the cursor into the chart area. If Hi/Lo mode is on, then each event will be outlined. Place the cursor above the event to select the high and below the event to select the low. Once a high or low has been selected the line will automatically jump to the high or low of other events. Move to the next point, where the line is to be anchored, and then click again. This will anchor the line. Without the Hi/Lo mode only two mouse clicks anywhere on the chart are required. Once the line has been drawn the value of the line will be displayed in the axis.



## Pullback Line

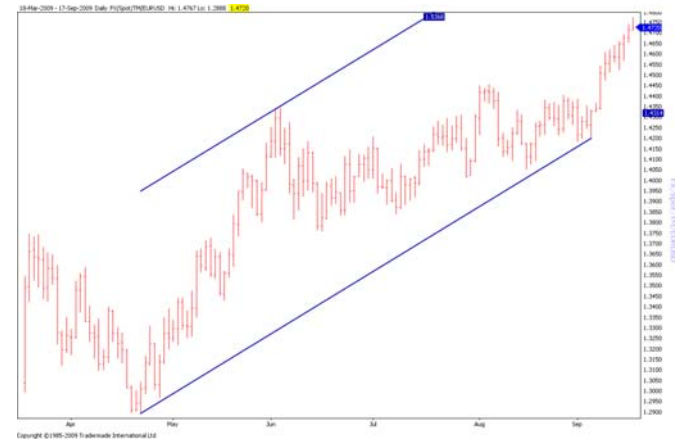
A pull back line connects a High and a Low. This line can only be used in Hi/Lo mode. Select the line by clicking the button. Move into the chart area and select the high or low and then the line will connect to all subsequent lows or highs.



# MAVERICK User Guide

## Channel Line

To draw a channel on the chart, select the channel line button. Then move the cursor into the chart area. First draw a trend line, as described in the trend line section. Then a parallel line will be displayed. Anchor this line with a single click. If the Hi/Lo mode is used the parallel line will link to the opposite of the trend line. E.g. if you draw a trend line connecting the low, then the parallel line will jump to the highs.



## Retracement Line

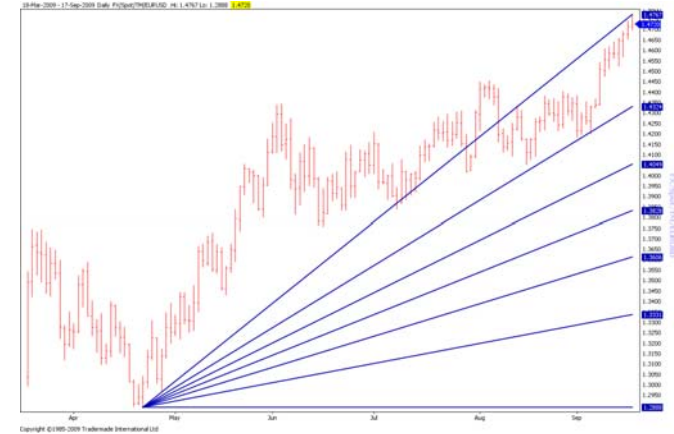
To draw a Retracement line you can use the Hi/Lo mode. Go to the beginning of the move, either a high or a low and anchor the line (click). Then go to the end of the move and click for a second time. If a high is selected first in Hi/Lo mode then the application will search for a low. Retracement Lines can either be based on Fibonacci or Gann percentages. The default is Fibonacci.



# MAVERICK User Guide

## Fan Lines

To draw a fan you can use the Hi/Lo mode. Go to the beginning of the move, either a high or a low and anchor the line (click). Then go to the end of the move and click for a second time. If a high is selected first in Hi/Lo mode then the application will search for a low. Fans can either be based on Fibonacci or Gann percentages. The default is Fibonacci.



## Projection Lines

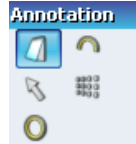
Projections are based upon Fibonacci percentages. The Hi/Lo mode can be used on this function. Click on the projections button, then move the cursor into the chart area and click on the beginning of the move, then click on the end of the move and then finally click on the point you want the projections to be measured from. The lines drawn are at 0%, 61.8%, 100%, 161.8% and 261.8%.



# MAVERICK User Guide

## 4.4 ANNOTATION

Annotation allows you to apply text and apply shapes to your chart. Text, circle, semi circle and arrows can be drag and dropped to another location on the chart.



### 4.4.1 HOW TO APPLY & DELETE CHART TEXT


Chart Text allows you to apply text to the chart and customize it to the user's requirements

#### Apply Chart Text

We will now apply chart text to the active chart

Go to **TA Tools** Tab,

Under *Annotation* select the text  icon. By default the text is set to Font Aria


Your default cursor will amend to . Select the location the area on the chart where you would like the text to be placed.

A dotted box will appear, select and input the text. To customize the text see **Set**

#### Delete Chart Text


To delete chart text follow the steps below:

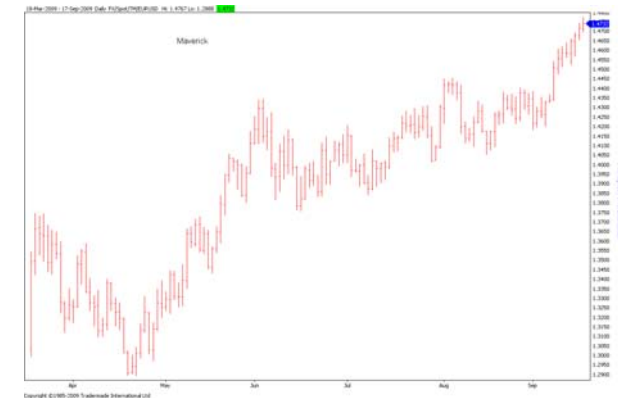
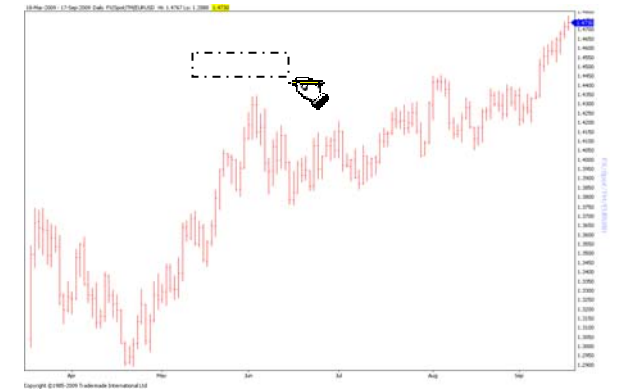
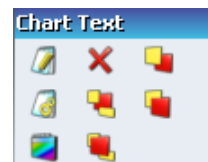
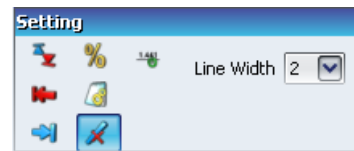
Go to **TA Tools** Tab.

Under *Settings* Section select the *delete line*  Icon

You can also delete chart text by: Hover over the line

Select the text; the *Settings* section will then amend to the *Chart Text* Settings

Select the delete  icon (See screenshots to the right)



## 4.4.2 CHART TEXT SETTINGS

When chart text is applied to the chart the Settings context will amend to the Chart Text Settings allowing you to perform other functions:



**Edit Text:** Amend the text written



**Change Text Font:** Amend the size, font and presentation of the text



**Amend Colour:** Amend the colour of the text



**Delete:** Delete text applied to chart



**Send to Back:** Sends selected element to the back of all elements applied



**Send Front:** Sends element forward once



**Send to Front:** Sends selected element to the front of all elements applied



**Send Back:** Sends element back once

# MAVERICK User Guide




## 4.4.3 HOW TO APPLY & DELETE AN ARROW

Apply an arrow and customize to the users requirements

### Apply an Arrow

We will now apply an arrow to the active chart

Go to **TA Tools** Tab

Under *Annotation* select the  arrow icon

Your default cursor will amend to .

Select the area on the chart where you would like the arrow to be placed.

Click and drag your cursor to extend the length of the arrow to your requirements.

To customize the arrow see **Section 15.15**

### Delete an Arrow


To delete an arrow follow the steps below:

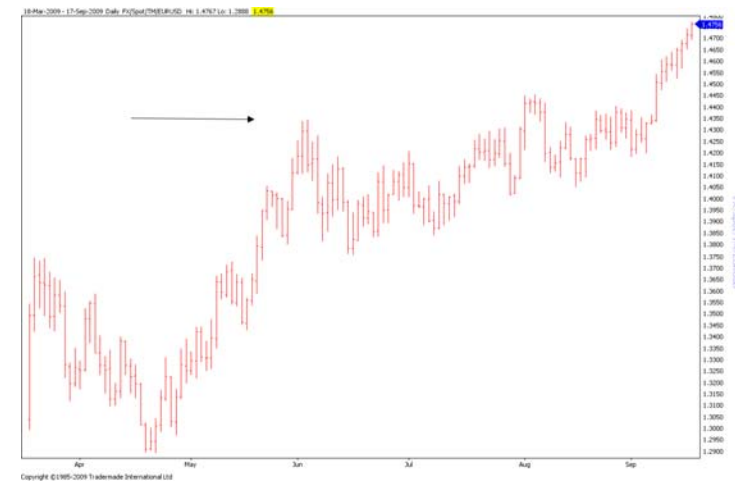
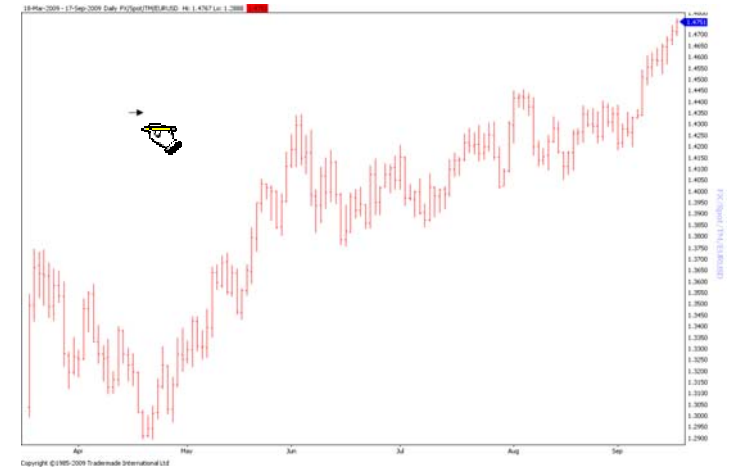
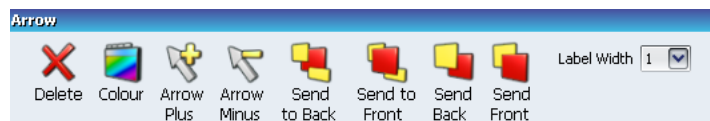
Go to **TA Tools** Tab.

Under *Settings* Section select the *delete line*  icon

You can also delete an arrow by: Hover over the arrow

Select the arrow; the *Settings* section will then amend to the *Arrow Settings*

Select the delete  icon (See screenshots below)



## 4.4.4 ARROW SETTINGS

When an arrow is applied to the chart the Settings context will amend to the Arrow Settings allowing you to perform other functions:



**Minus:** Minimize the head size of the arrow



**Plus:** Maximize the head size of the arrow



**Delete:** Delete arrow applied to chart



**Amend Colour:** Amend the colour of the arrow



**Send to Back:** Sends selected element to the back of all elements applied



**Send Front:** Sends element forward once



**Send to Front:** Sends selected element to the front of all elements applied



**Send Back:** Sends element back once

**Line Width:** Amend the width of the arrow line

# MAVERICK User Guide





## 4.4.5 HOW TO APPLY & DELETE A CIRCLE & SEMI-CIRCLE


A user can apply a circle or semi circle and customize the colour, positioning and width.

### Apply a Circle/Semi Circle

We will now apply chart a circle and semi circle to the active chart

Go to **TA Tools** Tab

Under *Annotation* select the  or  icon

Your default cursor will amend to .

Select the area on the chart where you would like the circle/semi circle to be placed.


Click and drag your cursor to expand the width of the circle/semi circle to your requirements.

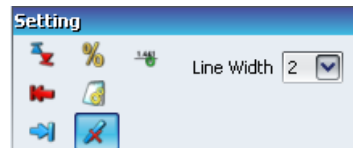
To customize the cycle see **Section 15.18**

### Delete a Circle/Semi Circle

To delete a circle/semi circle follow the steps below:


Go to **TA Tools** Tab.

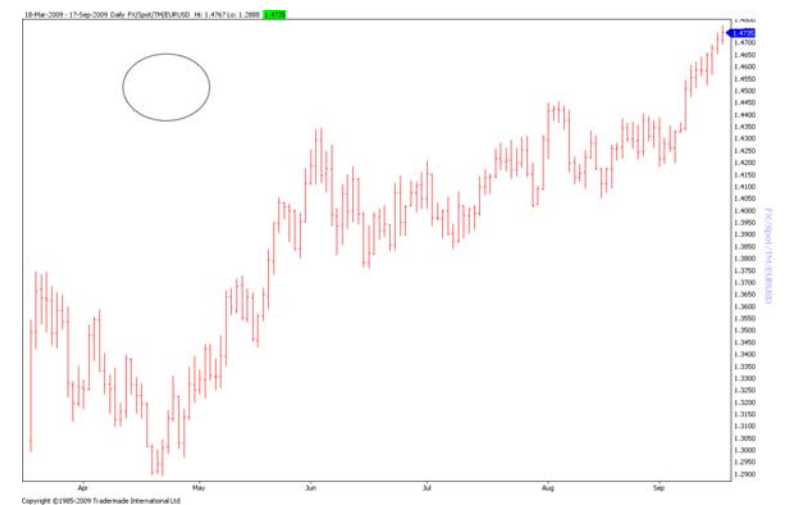
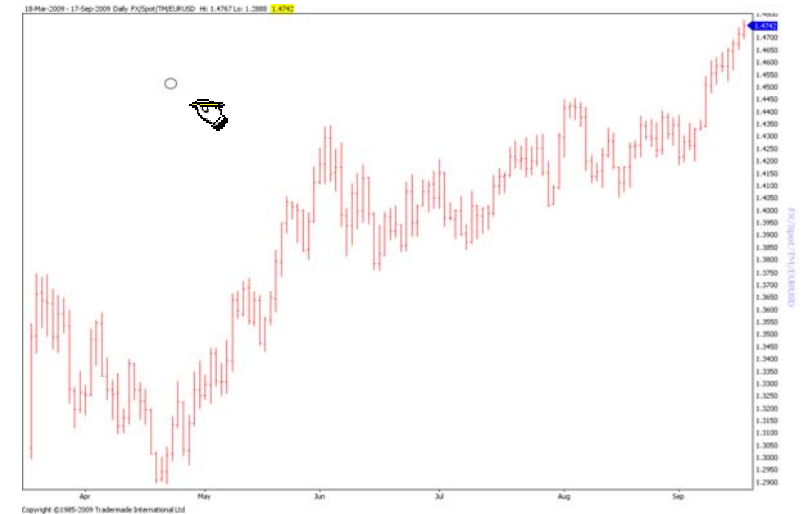
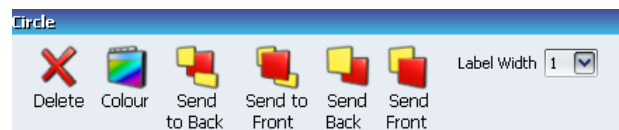
Under *Settings* Section select the *delete line*  icon



You can also delete a circle/semi circle by: Hover over the circle

Select the circle; the *Settings* section will then amend to the *Circle* Settings

Select the delete  icon (See screenshots below)



## 4.4.6 CIRCLE/SEMI CIRCLE SETTINGS

When a circle/semi circle is applied to the chart the Settings context will amend to the *Circle* Settings allowing you to perform other functions:



**Amend Colour:** Amend the colour of the circle/semi circle



**Delete:** Delete text applied to chart



**Send to Back:** Sends selected element to the back of all elements applied



**Send Front:** Sends element forward once



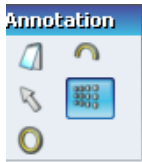
**Send to Front:** Sends selected element to the front of all elements applied



**Send Back:** Sends element back once

**Line Width:** Amend the width of the circle/semi circle line

# MAVERICK User Guide



## 4.4.7 HOW TO APPLY & DELETE A CYCLE


A Time Cycle is used to determine exactly where the market is in relation to these cycles, once known the timing of positions becomes much easier.


When calculated fan/retracement or median lines is selected the *Settings* Tab will adjust as these indicators can be customized, whereas the autolines cannot.

### Apply a Cycle

We will now apply a cycle to the active chart

Go to **TA Tools** Tab

Under *Annotation* select the  icon

Your default cursor will amend to .


Select the area on the chart where you would like to plot the cycle; it will consist of two clicks

Dotted lines will appear on the chart. To customize the cycle see **Section 15.21**

### Delete a Cycle

To delete a cycle follow the steps below:

Go to **TA Tools** Tab


Under *Settings* Section select the *delete line*  Icon

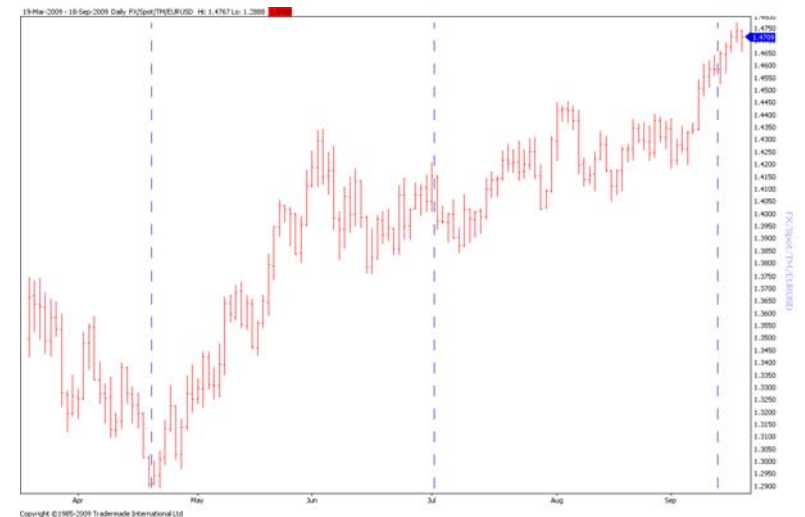
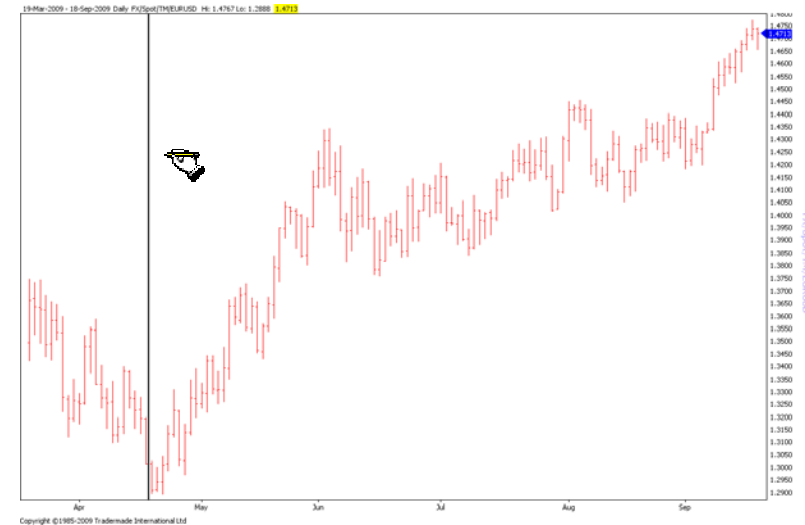
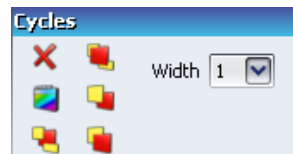
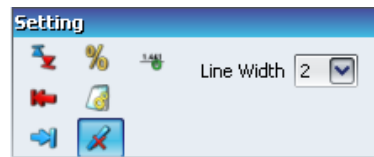
You can also delete a cycle by:

Hover over the cycle it will highlight red.

Select the cycle,







The *Settings* section will then amend to the *Cycle Settings*

Select the delete  icon



## 4.4.8 CYCLE SETTINGS

When a cycle is applied to the chart the Settings context will amend to the *Cycle* Settings allowing you to perform other functions:

-  **Amend Colour:** Amend the colour of the text and shapes applied to the chart
-  **Delete:** Delete cycle applied to chart
-  **Send to Back:** Sends selected element to the back of all elements applied
-  **Send Front:** Sends element forward once
-  **Send to Front:** Sends selected element to the front of all elements applied
-  **Send Back:** Sends element back once

**Line Width:** Amend the width of the cycle line

## 4.5 AUTO LINES

The autoline tools automatically plots retracement lines and Gann angles by snapping to the lowest low and highest high values (or vice versa) visible on the chart. It also performs regression or other statistical analysis to construct the speed, median and least mean square lines for the period displayed.

Speed Line, Median Line and Least Mean Square Lines are non custom lines, they are single click indicators. Whereas with the calculated lines such as the fan, retracement or median lines the colour, size and the ratio can be amended.



### 4.5.1 HOW TO APPLY & DELETE AN AUTO LINE

Autolines are a single click indicator, as they are already calculated so will plot automatically on the chart without the user having to make any amendments.

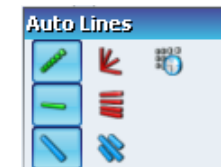
#### Apply an AutoLine

To apply an autoline follow the steps below:

Go to **TA Tools** Tab

Under *Auto Lines* select the required autoline

When you apply an autoline such as a Median Line, Speed Line or Least Mean Square Line the icon will remain depressed.



#### Delete an AutoLine

Autolines can be deleted in two ways depending on the type of autoline.


For example with Speed Line, Median Line, Least Mean Square Lines can only be removed by re-pressing the required icon from within *Auto Lines* Section.

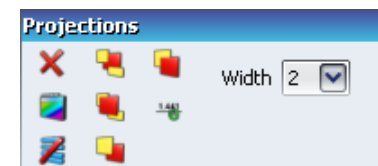
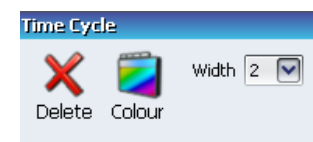
Whereas, with the other auto lines such as cycle, median or retracements they can be deleted via two ways.

To delete a calculated autoline or cycle follow the steps below:

Hover over the calculated autoline it will highlight red.

Select the calculated autoline, the *Setting* Section will then amend to *Projections/Chart Text/Fans & Retracement Settings*

Select the delete  icon



## 4.5.2 AUTO LINE SETTINGS

When a circle/semi circle is applied to the chart the Settings context will amend to the *Circle* Settings allowing you to perform other functions:



**Amend Colour:** Amend the colour of the circle/semi circle



**Delete:** Delete text applied to chart



**Send to Back:** Sends selected element to the back of all elements applied



**Send Front:** Sends element forward once



**Send to Front:** Sends selected element to the front of all elements applied



**Send Back:** Sends element back once

**Line Width:** Amend the width of the circle/semi circle line

## 4.5.3 AUTO LINE CUSTOM SETTINGS: SPECIFIC LINES



**Multiply Lines:** Multiply a line allows you to multiply lines to TA purposes. (Applies to Channel Line)



**Dividing Lines:** Dividing lines allows you to divide lines to TA purposes. (Applies to Channel Line)



**Ungroup:** To be able to separate lines that are grouped when first applied to a chart such as Retracement Lines or lines that have been multiplied such as Channel Lines



**Edit Ratio:** Allows you to amend, delete or apply new ratio applied to TA Lines such as Retracement and Fan Lines.




**Ratio (Gann & Fib):** By default amend the ratio from Gann to Fib (Fibonacci = 0%, 23.6%, 38.2%, 50%, 76.4% & 100%) (Gann = 0%, 25%, 33%, 50%, 66%, 75% & 100%)

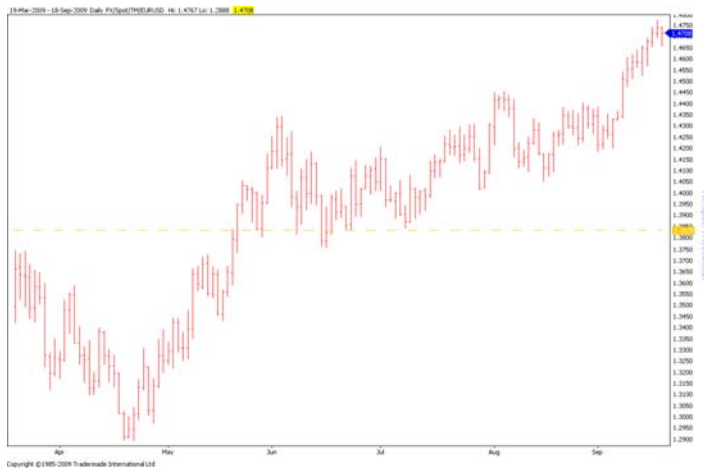


**Edit Text:** Amend the text written

# MAVERICK User Guide


## 4.5.4 TYPES OF AUTO LINES

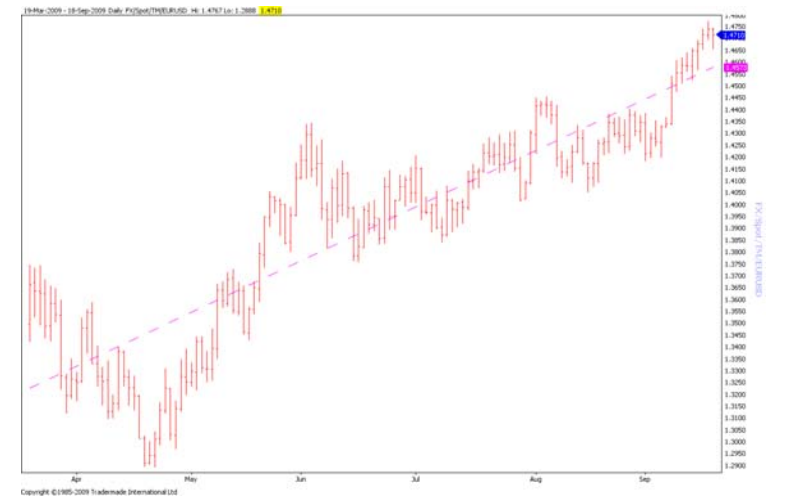
 **Speed Line:** A variation on the 1/3<sup>rd</sup>, 2/3<sup>rd</sup>. Is a 50% line and takes the extreme prices from the chart and then the next available highest or lowest low and plots a 50% along the angle of the trend




 **Least Mean Square Line:** Fits a trend line by least squares

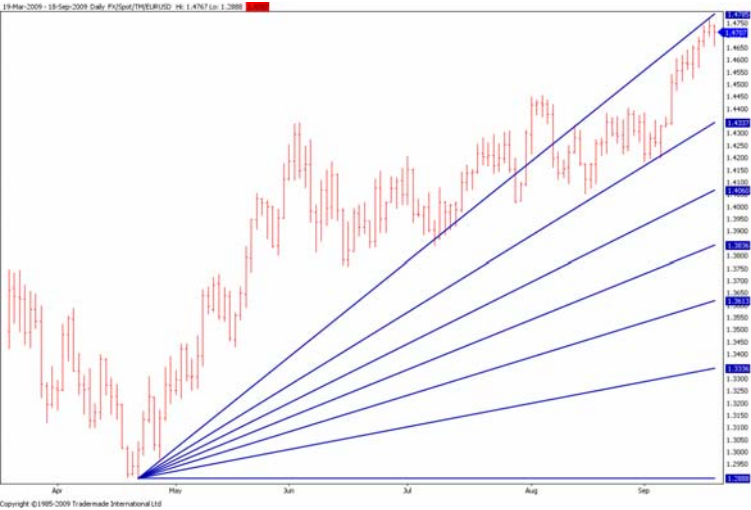



 **Mid Line:** A horizontal line across the chart at mid-point of the range




# MAVERICK User Guide

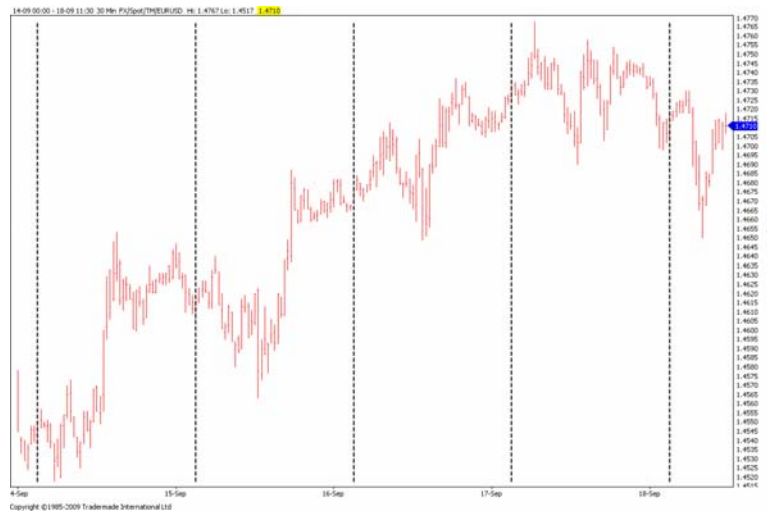
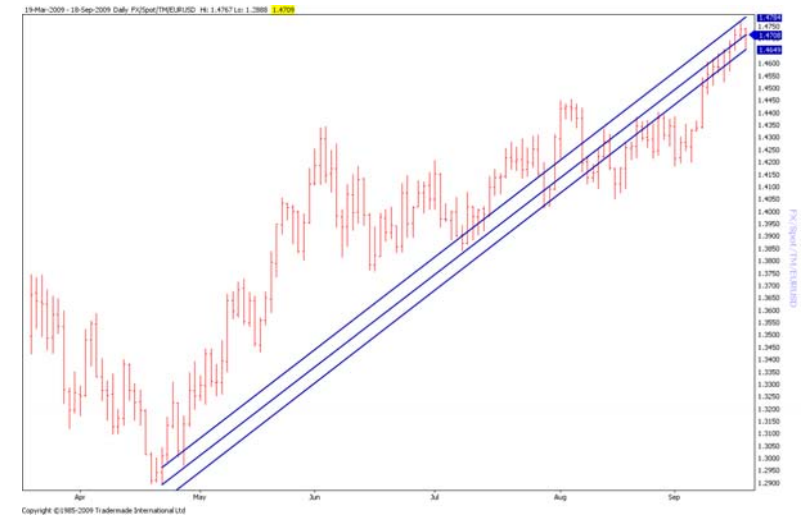
 **Calculated Fan Line:** Connect to the high and low of the chart and calculating in which direction the trend is going




 **Calculated Retracement Line:** Connect to the high and low of the chart and calculating in which direction the trend is going

# MAVERICK User Guide

 **Calculated Median Line:** Plots the angle of trend and descent between the extreme points on a graph



 **Time Cycle:** To determine exactly where the market is in relation to these cycles once known the timing of positions becomes much easier.

# MAVERICK User Guide



**Hi/Low Indicator:** To display the highest and lowest values on the timeframe displayed.

