

Market*maker*:Desktop

Charting Guide

Version 1.0

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1 Introduction

Marketmaker:Desktop offers a charting application that incorporates an extensive range of information with ease of use and comprehensive functionality. Technical analysis can be an extremely useful tool for a trader. It can help to identify trends in the market and therefore decide when is best to trade.

Marketmaker® has a wide range of technical indicators, as well as real-time and historical data. This guide gives a detailed insight into how to view the different types of charts in **Marketmaker:Desktop**, and how they can help you to trade successfully. From explaining the workings of charts and how best to view them, to customising your own charts using indicators and detecting trends, the Charting Guide will show you the simplest way to work with charts in **Marketmaker:Desktop**.

2 Chart Window

The chart window is split into 9 areas:



1. **Chart Data Options (See Section 4)**
2. **Draw Tools (See Section 5)**
3. **Chart Options (See Section 6)**
4. **Action Buttons (See Section 7)**
5. **Chart (See Section 3)**
6. **Chart Style (See Section 8)**
7. **Studies (See Section 9)**
8. **Oscillators (See Section 10)**
9. **Settings (See Section 11)**

3 The Chart

The majority of the chart window is given over to the chart itself, which displays the data set by the Chart Options controls on the Toolbar.

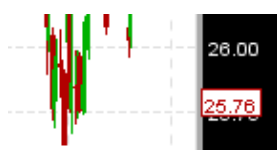
3.1 Information Display



If **Show Value Boxes** is turned on (See Section 11.9) when you hold the mouse pointer it is held over the chart, the box that appears indicates the value and time at the point where the mouse pointer is positioned.

Note: If you have any Studies on your chart, the values associated with these will appear in this box as well. If you have any Oscillators, a similar box will appear on the Oscillator.

3.2 Current Value



The boxed number on the axis shows the current price of the instrument, this is green if the price is higher than the preceding value and red if it is lower.

3.3 Dragging the Chart

You can move the part of the chart which is visible in the chart window by dragging it. To drag the chart, click anywhere on the chart, hold down the mouse button, and move your mouse until the chart is where you want it.

3.4 Zoom

You can zoom into or out of the chart using the buttons at the bottom of the chart:



Reset

Click this button to return to your original Chart Display settings.



Zoom Out

Click this button to zoom out from the chart.



Zoom In

Click this button to zoom in to the chart.

Note: If your mouse has a scroll wheel, you can zoom in by scrolling up and zoom out by scrolling down.

3.5 Hide Toolbars

If you want a larger chart area you can collapse the toolbars at the left side and top of the chart window by clicking the show/hide handles.



Show/Hide Side Toolbar



Show/Hide Top Toolbar

4 Chart Data Options



The Chart options area allows you to control what data is shown on the chart – the period of time it covers, the frequency of prices and whether you see bid or offer prices on the chart.

4.1 Bid/ Offer

By default, any new chart shows Bid prices, you can change it to an Offer chart by using the Bid/Offer drop down menu on the Toolbar.



4.2 Date Range

Marketmaker:Desktop charts can be set to cover a variety of date ranges, from 1 Day to 30 Years. To select the Date Range for your chart, use the drop-down menu in the Toolbar.



4.3 Tick Frequency

The Tick Frequency drop-down box lets you specify the time interval between “ticks” on the chart, these range from 1 minute to a week.




Note: You will not be able to select every combination of Date Range and Tick Frequency on a chart, for example the smallest Tick Frequency that can be shown on a 5 Year chart is Day.

5 Draw Tools



The Draw Tools are a set of controls that you can use to customise your charts, such as adding your own trendlines, adding text labels, and editing and modifying the objects on the chart.

5.1 Adding a Draw Tool

To add a Draw Tool use the Add Draw Tool button () and then follow the specific instructions below depending on which type of Draw Tool you want to add.

5.1.1 Trendline

- select Trendline from the Draw Tools menu
- choose the options you wish to select
- click on the chart where you wish to place the start of the Trendline
- click on the chart where you wish to place the end of the Trendline

5.1.2 Channel

- select Channel from the Draw Tools menu
- choose the options you wish to select
- click on the chart where you wish to place the first edge of the Channel
- click on the chart where you wish to place the second edge of the Channel

5.1.3 Horizontal S/R Line

- select Horizontal S/R Line from the Draw Tools menu
- choose the options you wish to select
- click on the chart where you wish to place the Support / Resistance line

5.1.4 Marker

- select Marker from the Draw Tools Menu
- Select whether you want a Buy, Sell or Text Marker
- click on the chart where you want to place the Marker
- **Note:** You will be prompted to further define the configuration of a text marker



- 5.1.5 Arrow
- select Arrow from the Draw Tools Menu
 - select the direction of the arrow from the sub-menu
 - click on the chart where you want to place the Arrow
- 5.1.6 Fibonacci
- select Fibonacci from the Draw Tools Menu
 - select whether you want Retracement, Fans, Arcs or Time Series from the sub-menu
 - click on a price on the chart that you want to use for the first value
 - click on a price on the chart that you want to use for the second value
- 5.1.7 Cycle
- select Cycle from the Draw Tools Menu
 - click on the chart where you want to place the start of the Cycle
 - click on the chart where you want to place the end of the Cycle
- 5.1.8 Pitchfork
- select Pitchfork from the Draw Tools Menu
 - click on the chart where you want to first value
 - click on the chart where you want to second value
 - click on the chart where you want to third value
- 5.1.9 Oval
- select Oval from the Draw Tools Menu
 - click on the chart where you want the Oval to start
 - click on the chart where you want the Oval to finish
- 5.1.10 Rectangle
- select Rectangle from the Draw Tools Menu
 - click on the chart where you want the Rectangle to start
 - click on the chart where you want the Rectangle to finish
- 5.1.11 Triangle
- select Triangle from the Draw Tools Menu
 - click on the chart where you want to first point of the Triangle to be
 - click on the chart where you want to second point of the Triangle to be
 - click on the chart where you want to third point of the Triangle to be
- 5.1.12 Raff Channels
- select Raff Channels from the Draw Tools Menu
 - click on the chart where you want to first value
 - click on the chart where you want to second value
- 5.1.13 Speed Lines
- select Speed Lines from the Draw Tools Menu
 - click on the chart where you want to first value
 - click on the chart where you want to second value
- 5.1.14 Gann Line
- select Gann Line from the Draw Tools Menu
 - select whether you want an Up Line or a Down Line from the sub-menu
 - click on the chart where you want the Gann Line to start



5.1.15 Gann Fan

- select Gann Fan from the Draw Tools Menu
- select whether you want an Up Fan or a Down Fan from the sub-menu
- click on the chart where you want the Gann Fan to start

Note: Some of the Draw Tools have options associated with them. These will appear in a sub-menu to the right of the main menu, click the option(s) you want to use, a tick indicates that this option has been selected.

Note: To read the details of a Draw Tool, turn on Show Drawn Items Infobox (See Section 11.8) and place the mouse pointer over it and the information will appear.

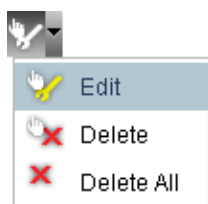
5.2 Adding more than one Draw Tool

If you want to add more than one Draw Tool of the same type, use the Add Draw Tool button () and then click the Pin Draw Tool button () before following the specific instructions above depending on which type of Draw Tool you want to add. Once you have added all the Draw Tools you need, click the Pin Draw Tool button again to turn the Tool off.

5.3 Editing a Draw Tool

There are two ways to edit a Draw Tool, either through the Edit or Delete button in the Draw Tools area or by right clicking on the Tool.

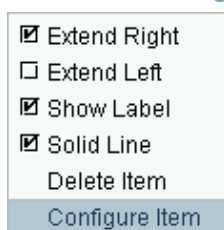
5.3.1 Using the Edit or Delete Button



- Clicking the Edit or Delete Button and selecting Edit from the menu will change the mouse pointer to a screwdriver.
- Use this new pointer to select an existing Draw Tool.
- Change any setting you need to in the Draw Tool Configuration window that appears.
- Click Done to apply these changes.

Note: Not all Draw Tools are editable in this manner.

5.3.2 Using Right-Click



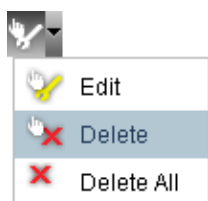
Options menu for the Channel Draw Tool

You can also edit a Draw Tool by right-clicking on the Tool you want to edit. Doing so will bring up a menu with the available options for the type of Draw Tool you have selected. To bring up the Draw Tool Configuration window, select Configure Item from this list.

5.4 Deleting a Draw Tool

There are two ways to edit a Draw Tool, either through the Edit or Delete button in the Draw Tools area or by right clicking on the Tool.

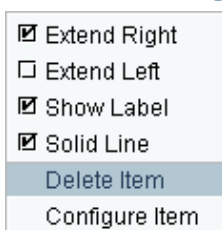
5.4.1 Using the Edit or Delete Button



- Clicking the Edit or Delete Button and selecting Edit from the menu will change the mouse pointer to a red X.
- Use this new pointer to select an existing Draw Tool to delete.

Note: Clicking Delete All will delete EVERY Draw Tool on the chart.

5.4.2 Using Right-Click



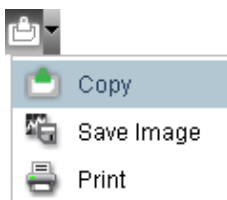
Options menu for the Trendline Draw Tool

You can also delete a Draw Tool by right-clicking on the Tool you want to edit. Doing so will bring up a menu with the available options for the type of Draw Tool you have selected. To remove Draw Tool, select Delete Item from this list.

6 Chart Options

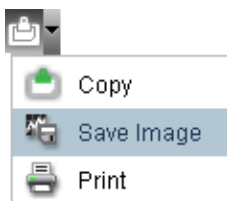


6.1 Copying a chart



You can copy a chart to use in another application (such as MS Word) by clicking the Copy / Save / Print button and selecting Copy.

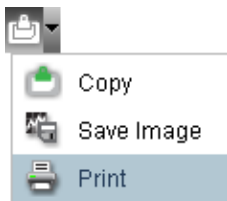
6.2 Saving a chart



You can save a chart as an image file by clicking the Copy / Save Image / Print button and selecting Save image.

Note: Images will be saved as PNG files.

6.3 Printing a chart



You can print a chart by clicking the Copy / Save Image / Print button and selecting Print.

6.4 Chart Display options







You can control which of the indicators you have added to the chart by using the Hide/Show button. Clicking this button brings up a menu that lets you hide or show indicators by type.

Note: Hiding an indicator will NOT delete it, it will remain on the chart. To permanently remove an indicator, please see Sections 6, 10 & 11.

7 Action Buttons



The Action Buttons allow you to use a chart to access other **Marketmaker:Desktop** functions, for the instrument the chart is based on.

	Open Order Ticket	Click this button to open an Order Ticket for the instrument the chart is based on.
	Create Price Alert	Click this button to create a Price Alert for the instrument the chart is based on.
	Display Chart	Click this button to open a daily, one year chart for the instrument the current chart is based on.
	Show News	Click this button to open a News window for the instrument the chart is based on.

8 Chart Style



Marketmaker:Desktop lets you choose from 12 different styles of chart by clicking the Style menu.

Line

Changes in Price are represented by a simple line graph.

Bar Chart

Each interval is shown in the following way:

A vertical line represents the range the price has moved.

A line to the left indicates the price it was when it began each interval.

A horizontal line to the right indicates the price it was at when it reached the end of the interval.

Candle

A box shows the change from the opening and closing prices, which are represented by different colours depending on whether the price rose or fell.

Heikin Ashi

A type of candlestick chart that shares many characteristics with standard candlestick charts, but differs because of the values used to create each bar. Instead of using the open-high-low-close (OHLC) bars like standard candlestick charts, the Heikin Ashi technique uses a modified formula:

$$\text{Close} = (\text{Open} + \text{High} + \text{Low} + \text{Close}) / 4$$

$$\text{Open} = [\text{Open (previous bar)} + \text{Close (previous bar)}] / 2$$

$$\text{High} = \text{Max (High, Open, Close)}$$

$$\text{Low} = \text{Min (Low, Open, Close)}$$

Scatter

Each chart value is signified by a dot.

Step

Changes in Price are represented by a stepped line.

Mountain

The value of each point on the chart is plotted with the area beneath the line of peaks coloured in.

Invisible

Makes the chart invisible.

Point & Figure



A chart that plots day-to-day price movements without taking into consideration the passage of time. Point and figure charts are composed of a number of columns that either consist of a series of stacked Xs or Os. A column of Xs is used to illustrate a rising price, while Os represent a falling price. This type of chart is used to filter out non-significant price movements, and enables the trader to easily determine critical support and resistance levels. Traders will place orders then the price moves beyond identified support/resistance levels.

Renko

A Renko chart is constructed by placing a brick in the next column once the price surpasses the top or bottom of the previous brick by a predefined amount. White bricks are used when the direction of the trend is up, while black bricks are used when the trend is down. This type of chart is very effective for traders to identify key support/resistance levels. Transaction signals are generated when the direction of the trend changes and the bricks alternate colours.

Kagi

A type of chart developed by the Japanese in the 1870s that uses a series of vertical lines to illustrate general levels of supply and demand for certain assets. Thick lines are drawn when the price of the underlying asset breaks above the previous high price and is interpreted as an increase in demand for the asset. Thin lines are used to represent increased supply when the price falls below the previous low.

Line Break

The line break chart looks like a series of rising and falling lines of varying heights. Each new line, like the X's and O's of a point and figure chart, occupies a new column. Using closing prices (or highs and lows), a new rising line is drawn if the previous high is exceeded. A new falling line is drawn if the price hits a new low.

Note: Depending on which chart type you select, you can also change the set of data it displays, such as opening and closing price, highest and lowest price, and so on.

9 Studies

You can add over 20 Studies to a **Marketmaker:Desktop** chart, full details of which can be found in the Charting Glossary. These Studies cover a wide range of technical analysis methods, although the way you add them to a chart and change their values is similar for each one.

9.1 Adding a Study

Once you have created a chart for the instrument you wish to study, you can find a Study by looking in the Studies Menu or by using the Manage Studies window.

9.1.1 Using the List of Studies

1. Extend the using the Studies Menu by clicking on the title bar
Note: the most popular Studies are shown at the top of the list, with other shown in alphabetical order further down
2. Scroll down to find the Study you are after
3. Click on the name of the Study to add it to the chart

9.1.2 Using the Manage Studies window

1. Click on the Manage Studies button on the Studies title bar
2. Use the Select Study drop-down menu to find the Study you are after
3. Click on the name of the Study to add it to the chart
4. Fill out the Study criteria in the boxes that appear in the Manage Studies window or leave blank to select the default values
5. Click "Add To List..." to add the Study to the chart
6. Click "Done" to close the Manage Studies window



9.2 Modifying a Study

There are two ways to modify a Study once you have added it to a chart:

9.2.1 Using the Manage Studies button

1. Click on the Manage Studies button on the Studies title bar
2. Click on the name of the Study you wish to modify
3. Click "Edit"
4. Change the values in the Study criteria in the boxes that appear
5. Click "Apply" to accept these changes or "Cancel" to reject
6. Click "Done" to close the Manage Studies window

9.2.2 Using the on-chart Active Studies flag

1. Click on the name of the Study at the top of the chart
2. Edit the values in the Study Properties window
3. Click "Done" to accept these changes & close the Manage Studies window

9.3 Removing a Study

There are three ways to remove a Study from a chart:

9.3.1 Using the Manage Studies button

1. Click on the Manage Studies button on the Studies title bar
2. Click on the name of the Study you wish to remove
3. Click "Remove"
4. Click "Done" to accept these changes and close the Manage Studies window

9.3.2 Using the on-chart Active Studies flag

1. Click on the close button to the left of the name of the Study at the top of the chart

9.3.3 Using the List of Studies

1. Extend the using the Studies list by clicking on the title bar
2. Uncheck the tick-box next to the Study you wish to remove

10 Oscillators

You can add over 30 Oscillators to a **Marketmaker:Desktop** chart, full details of which can be found in the Charting Glossary. These Oscillators cover a wide range of technical analysis methods, although the way you add them to a chart and change their values is similar for each one.

10.1 Adding a Oscillator

Once you have created a chart for the instrument you wish to study, you can find an Oscillator by looking in the Oscillators Section of the Shutter Panel or the Oscillators Manager window.

10.1.1 Using the List of Oscillators

1. Extend the using the Oscillators list in the Shutter Panel by clicking on the title bar
Note: *The most popular Oscillators are shown at the top of the list, with other shown in alphabetical order further down*
2. Scroll down to find the Oscillator you are after
3. Click on the name of the Oscillator to add it to the chart

10.1.2 Using the Oscillators Manager window

1. Click on the Manage Oscillators button on the Studies title bar
2. Use the Oscillators Manager drop-down menu to find the Oscillator you are after
3. Click on the name of the Oscillator to add it to the chart
4. Fill out the Oscillator criteria in the boxes that appear in the Oscillators Manager window or leave blank to select the default values



5. Click "Add To List..." to add the Oscillator to the chart
6. Click "Done" to close the Oscillators Manager window

10.2 Modifying a Oscillator

There are two ways to modify a Oscillator once you have added it to a chart:

10.2.1 Using the Oscillators Manager window

1. Click on the Oscillators Manager button on the Oscillators title bar
2. Click on the name of the Oscillator you wish to modify
3. Click "Edit"
4. Change the values in the Oscillator criteria boxes
5. Click "Apply" to accept these changes or "Cancel" to reject
6. Click "Done" to close the Oscillators Manager window

10.2.2 Using the on-chart Active Oscillators flag

1. Click on the name of the Oscillator at the top of the chart
2. Edit the values in the Oscillator Properties window
3. Click "Done" to accept these changes & close the Oscillators Manager window

10.3 Removing an Oscillator

There are three ways to remove an Oscillator from a chart:

10.3.1 Using the Oscillators Manager window

1. Click on the Oscillators Manager button on the Oscillators title bar
2. Click on the name of the Oscillator you wish to remove
3. Click "Remove"
4. Click "Done" to accept these changes and close the Oscillators Manager window

10.3.2 Using the on-chart Active Oscillators flag

1. Click on the close button to the left of the name of the Study at the top of the chart

10.3.3 Using the List of Oscillators

1. Extend the using the Oscillators list by clicking on the title bar
2. Uncheck the tick-box next to the Oscillator you wish to remove

11 Settings

11.1 Vertical Gridlines

You can use this Setting to show or hide the vertical Gridlines on the chart.

11.2 Horizontal Gridlines

This Setting allows you to choose whether you see the horizontal Gridlines on the chart.

11.3 Dashed Lines

Use this Setting to choose whether you would like your Gridlines to be solid or dashed.

11.4 Coloured Bars

Use this Setting to toggle your chart between colour and black & white

Note: Not all chart Styles can have their colour turned off.

11.5 Extended Chart

Turn this Setting on if you want to increase the gap between the last price and the Y-axis.

11.6 Last Price Display

If you do not wish to see the last price value on the Y-axis, uncheck this Setting.

11.7 Dynamic Line

Turn this Setting on if you want to see the last price value as a line on the chart.

11.8 Show Drawn Items Infobox

Selecting this Setting will enable the Infobox for Draw Tools, which will appear if you place the mouse pointer over a Draw Tool on your chart.



11.9 Show Value Boxes

Turn this option on to display chart information in a box when the mouse pointer hovers over the chart.

11.10 Show Active pointers

You can use this Setting to display price values and date on the chart axes.

11.11 Axis

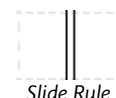
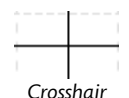
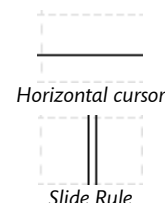
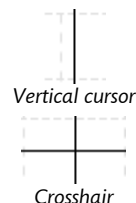
You can change the y-axis values using this Setting:

- Linear** Displays price values in a linear progression
- Percent** Displays percentage changes in price value
- Log** Displays price values in a logarithmic progression

11.12 Cursor

Use this Setting to select the style of cursor you want to use:

- Vertical** Displays a vertical line
- Horizontal** Displays a horizontal line
- Crosshair** Displays both vertical and horizontal lines
- Slide Rule** Displays a double vertical line
- None** Turns off the cursor



11.13 Draw Assist

Use this Setting to help you place Draw Tools on your chart:

- Close** Places the Draw Tool at the close price nearest to where you click
- Hi-Low** Places the Draw Tool at the highest or lowest price nearest to where you click
- None** Turns off Draw Assist