



User Manual

For further information e-mail support@autochartist.com
www.autochartist.com

Autochartist offers traders automated market-scanning tools that highlight trade opportunities based on support and resistance levels. Autochartist products include:

- **Chart pattern** formations such as Triangles, Wedges, Head-and-Shoulders and Channels;
- **Fibonacci** Retracements, Extensions, ABCD, Gartley and Butterfly patterns;
- **Key Levels** - the technical analysis of horizontal support and resistance levels;
- **Volatility Analysis** provides an overall assessment of risk and volatility
- **Our Favorites** - Autochartist provides a list of currently active trading opportunities that have had a high probability of success over the past 6 months. **(Disclaimer: past performance probability may not be indicative of future performance).**
- **Performance Statistics** provides insight as to which patterns have reached their forecast levels over the last 6 months.
- **E-mail subscriptions** provide one with a technical outlook of the markets for the next 24 - 48 hours.
- **Event Impact Analysis** provides a view on how the major currency pairs' prices moved during major financial news releases

Autochartist's technical analysis products: Chart patterns; Fibonacci patterns and Key Levels are automatically identified by pattern recognition engines that continuously monitor financial instruments.

Emerging patterns provides one with early warning of where trade opportunities are developing that is, where price is approaching support or resistance. This is useful to swing traders looking for ranges within which they can trade.

The Volatility Analysis tool provides statistical information about price volatility for the instruments traded. Volatility Analysis provides an assessment of risk when setting take profit and stop-loss levels.

Benefits:

- Autochartist covers most financial markets such as Forex, Indices, Commodities, Stocks, CFD's and Futures.
- Autochartist saves time by continuously scanning the markets for trade opportunities.
- Each Chart pattern; Fibonacci pattern and Key Level comes with a set of visual quality indicators that give novice traders an ability to interpret patterns, while it lets more experienced traders perform advanced search functions.
- Autochartist provides a wide variety of educational material such as this online manual, a quick start guide, videos, eBooks and free webinars.

AUTOCHARTIST WEB INTERFACE

Upon first sign in to the Autochartist web application the interface will display information that has been loaded by default

The screenshot displays the Autochartist web interface. At the top, there is a navigation bar with tabs for 'Our Favourites', 'Trading Opportunities', 'Event Impact Analysis', 'Performance Statistics', 'Messaging & Alerts', and 'Resources & Education'. Below this, a banner contains several call-to-action buttons labeled A through F. The main content area is divided into three sections: a 'Searches' sidebar on the left, a central candlestick chart, and a 'Price Movement' sidebar on the right. The chart shows a 'Rising Wedge' pattern for the CHFJPY pair, with a green trend line and a yellow dashed line indicating the pattern's continuation. The 'Price Movement' sidebar provides detailed analysis metrics such as 'Identified Time', 'Length', 'Direction', and 'Quality'. Below the chart, there is a 'Trading opportunities: FOREX (All Intraday)' section with filters for 'Chart Patterns', 'Fibonacci Patterns', and 'Key Levels'. A table of 'Active Trading Opportunities' is shown at the bottom, listing various currency pairs and their associated patterns and quality scores.

Exchange	Symbol	Interval	Pattern	Identified	Quality	Type	Length	Age
FOREX	CHFJPY	60 Min	Rising Wedge	07-15 23:00	High	Emerging	84	5 Candles
FOREX	CHFJPY	60 Min	Channel Up	07-15 23:00	Medium	Emerging	61	5 Candles
FOREX	NZDJPY	60 Min	Rising Wedge	07-15 23:00	Medium	Emerging	56	5 Candles
FOREX	USDMXN	60 Min	Channel Down	07-15 23:00	Medium	Emerging	48	5 Candles
FOREX	USDNOK	60 Min	Descending Triangle	07-15 23:00	Medium	Emerging	20	5 Candles
FOREX	EURJPY	240 Min	Triangle	07-15 08:00	High	Completed	27	5 Candles
FOREX	GBPAUD	60 Min	Descending Triangle	07-15 22:00	High	Completed	29	6 Candles
FOREX	EURPLN	240 Min	Triangle	07-15 04:00	High	Completed	132	6 Candles
FOREX	GBPAUD	60 Min	Triangle	07-15 21:00	High	Completed	46	7 Candles

A

Our Favourites

B

Trading Opportunities

- Contains search results for Chart and Fibonacci Patterns, as well as Key Levels

C

Event Impact Analysis

D

Performance Statistics

E

Messaging & Alerts

F

Trading Community

G

Search Pane

H

Pattern Display: click on display to enlarge pattern result

I

Price Movement Pane: with Quality Indicators and Volatility Analysis

J

Sound Switch

K

Results Filter:

Chart Patterns: [Emerging / Complete]

Fibonacci Patterns: [Emerging / Complete]

Key Levels: [Breakouts / Approaches]

L

Active Trading Opportunities

M

Expired Trading Opportunities



Our Favourites

“Our Favourites” is a list of currently active trading opportunities with the highest probability of success based on the last 6 months of identified trading opportunities (**Disclaimer: Past performance may not be indicative of future performance**). All Autochartist opportunities are evaluated against past performance with respect to the pattern type, the instrument and the time of day it was identified.

Based on past performance, the following is a list of currently active trading opportunities with the highest probability of success. Every Autochartist opportunity is evaluated against past performance with respect to the pattern type, the instrument and the time of day it was identified. **Past performance may not be indicative of future performance.**

Limit number of results to : Set minimum % probability :

Groups	Chart 1: FOREX EURCHF 240 min Resistance	Chart 2: FOREX AUDHKD 60 min Channel Down
AMEX (All Intraday) (2)	<p>Identified at : 04-09 06:00 www.autochartist.com</p>	<p>Identified at : 04-09 04:00 www.autochartist.com</p>
Australian Stock Exchange (All Intraday) (10)		
CBOT (All Intraday) (3)		
CME (All Intraday) (1)		
CME Forex (1)		
COMEX (All Intraday) (0)		
Commodities (All Intraday) (5)		
Energies - Futures (All Intraday) (1)		
Forex (All Intraday) (6)		
Frankfurt Stock Exchange (All Intraday) (2)		
Grains - Futures (All Intraday) (undefined)		
Indices (All Intraday) (0)		
Indonesia Stock Exchange (All Intraday) (0)		
Johannesburg Stock Exchange (All Intraday) (1)		
London Stock Exchange (All Intraday) (5)		
MICEX (All Intraday) (0)		

Currency Pair: FOREX EURJPY 60 min

Group Name: FOREX
Analysis Type: Resistance

Identified at : 03-15 12:00
www.autochartist.com

ID: 7244363

Forecast Zone: 126.150

Forecast "From" Level: 125.83

Forecast: 126.15050
Probability: 74%

Pattern: 74% 3489/4729
Symbol: 75% 144/192
Time of Day: 77% 368/481

Date & Time Identified: 03-15 12:00

Autochartist Performance Stats Relative to this trading opportunity

Out of 4729 EURJPY Resistance Trading Opportunities 3489 were successful in reaching the forecast zone = 74%

Out of 192 EURJPY Resistance Trading Opportunities 144 were successful in reaching the forecast zone = 75%

Out of 481 EURJPY Resistance Trading Opportunities identified at this time 368 were successful in reaching the forecast zone = 77%

B

Trading Opportunities

Search for Chart Patterns; Fibonacci Patterns, as well as Key Levels trade opportunities from the **Trading Opportunities Tab**. The Results Filter refines one's preferences by including or excluding some or all of the trade opportunities available.

C

Event Impact Analysis

This tool provides a concise visual account of the impact previous economic events have had on a particular currency pair. Select the country and news event from the menu on the left, and the effect it had on the selected currency will display on the right.

Event Impact Analysis™

This tool gives you a concise visual account of the actual impact previous economic events have had on particular currency pairs. Select the country and news event from the menu on the left, and the effect it had on the selected currency will display on the right.

Select a Country

- Australia
- Canada
- European Monetary Union
- France
- Germany
- Great Britain
- Italy
- Japan
- New Zealand
- Switzerland
- United States

Select an Event in United States

- Consumer Price Index
- Durable Goods Orders
- Employment Situation
- Existing Home Sales
- FOMC Meeting Announcement
- GDP
- Housing Starts
- ISM Mfg Index
- International Trade
- Jobless Claims
- New Home Sales
- Personal Income and Outlays
- Philadelphia Fed Survey
- Producer Price Index
- Retail Sales

Select an instrument

FOREX

- AUDUSD
- EURUSD
- GBPUSD
- NZDUSD

The table below summarizes the effect that **Consumer Price Index** event in **United States** had on the **EURUSD** after 4 hours.

Event Date	Delta	4 hours trend
March 15, 2013	▲	▼
February 21, 2013	▼	▲
January 16, 2013	-	▲
December 14, 2012	▼	▲
November 15, 2012	-	▲
October 16, 2012	▲	▼
September 14, 2012	-	▲
August 15, 2012	▼	▲
July 17, 2012	-	▼
June 14, 2012	▼	▲
May 15, 2012	-	▼
April 13, 2012	-	▼

The images below represent the price graph of EURUSD around the time of the latest 12 **Consumer Price Index** news events in **United States**.

Effect of Consumer Price Index on EURUSD View: 8 hours of 5min data

Date:	March 15, 2013
Expected:	0.5
Actual:	0.7
Delta:	0.20 ▲
Trend:	▼



Performance Statistics

This tab provides detailed statistics on the overall accuracy of Autochartist for the preceding 6-month period, as well as specific statistics on how Autochartist performs on particular symbols, time granularities, patterns and directions.

Disclaimer: These statistics are not a measure of profitability, but simply count the quantity of identified opportunities that reach the forecast level within a predefined time.



Messaging & Alerts Tab (Market Reports)

E-mail subscriptions provide one with a report on the technical outlook of the markets for the next few days. Subscribe to receive e-mails up to three times per day for markets such as Forex and Commodities, or once per day for stock exchanges such as the Tokyo Stock Exchange, London Stock Exchange and the New York Stock Exchange.

To subscribe, one should log into the Autochartist platform, click on '**Messaging & Alerts**', select preferred market, select **preferred language** and the preferred time. Then to receive the email, one should enter an **email address** and click on **submit**. Note: to ensure receipt of Autochartist's daily e-mail alerts one should please add alerts@autochartist.com to an address book or contact list.



Trading Community

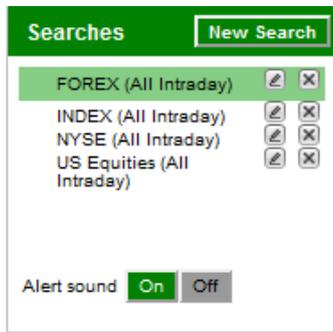
This section provides access to education and product support documentation, as well as downloads and install instructions of Autochartist's MT4; MT5 and JForex plugin. In addition, one can follow live intraday trading using Autochartist. Subscribe to receive e-mail alerts of new trades placed.



Search Pane

When logging in for the first time, the search pane contains a default list of populated searches. Each search contains a set of criteria defined by the individual which specifies which symbols to include in the search. The **symbols** can be included by:

1. Selecting from predefined **groups** such as exchanges or instrument types; or
2. By selecting **individual symbols**.



The Advanced Search option gives one the ability to choose certain criteria when setting up a search to filter and further refine search results.

When a new trade opportunity is identified this icon  appears next to the search name. By clicking on the  icon one is redirected to the relevant search results.

The information displayed in the **Active Trading Opportunities** and **Expired Trading Opportunities** sections (L and M) are from the highlighted search (the search name will be marked in green).

An existing search can be edited by clicking on the pencil icon () , or deleted by clicking on the 'close' icon ().

(Please refer to Chapter 3 "Creating and Editing a Search" for details on creating or editing a search.)



Pattern Display

The price graph in this pane represents the result that was selected in the **Active Trading Opportunities**. (L)



The information in this tab is displayed in exactly the same way as the information in the Active Trading Opportunities tab. For more information on how results are displayed, please see the preceding section (E).

The following information can be seen on the Pattern Display area (H):

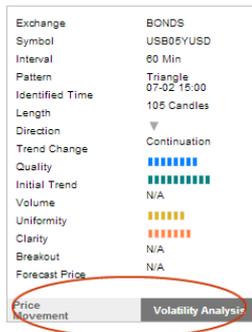
- The date and time at which the pattern was identified is highlighted in grey on the chart.
- Completed patterns are displayed with a horizontal line representing the forecast level. The colour of the line is representative of the forecast direction of the pattern (green=up and red=down) and is displayed with a directional arrow from the point of breakout to the forecast line.
- The columns to the right of the price graph contains additional information about the pattern, such as direction, pattern type, identified time, quality (various indicators) and forecast price (completed patterns). For more information see **Active Trading Opportunities Pane L**.



Price Movement Pane; Quality Indicators and Volatility Analysis

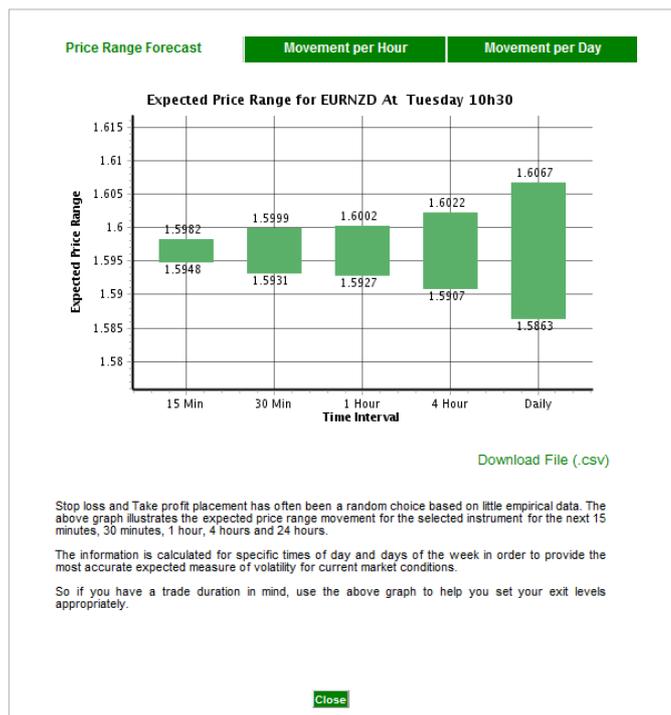
The **Volatility Analysis** tool provides insight into the movement of instruments. This tool can be used to assess the trading risk associated with different instruments in relation to the time of day in which they are being traded.

To access the **Volatility Analysis** feature click on the 'Volatility Analysis' button.



A new screen will pop up with 3 tabs:

Price Range Forecast



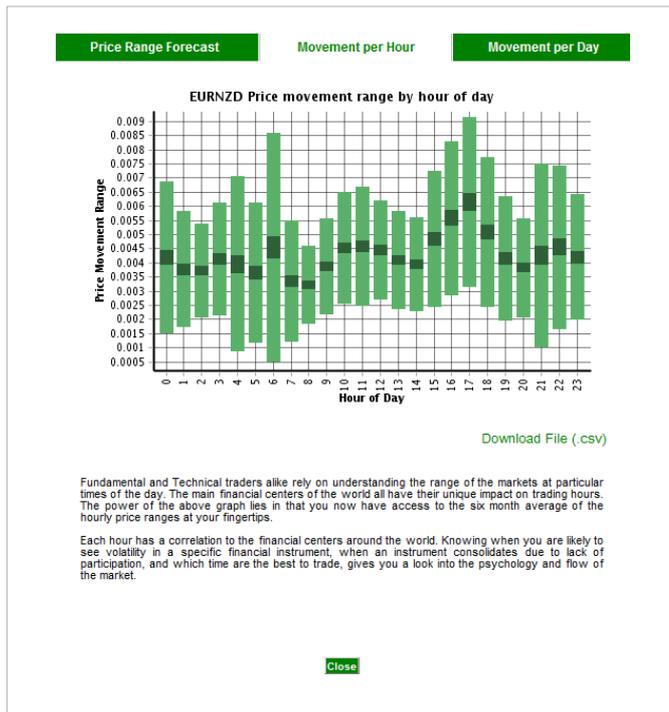
The Price Range Forecast section is used to get a view of probable ranges that price is likely to move within over different periods/intervals. This allows one to assess the risk of take profit and stop loss levels based on the past six months of price movement data for a particular instrument for the current day of the week at the current time of day.

For advanced users, these ranges are calculated as one standard deviation around the mean of the price movement.



Price Movement Pane; Quality Indicators and Volatility Analysis

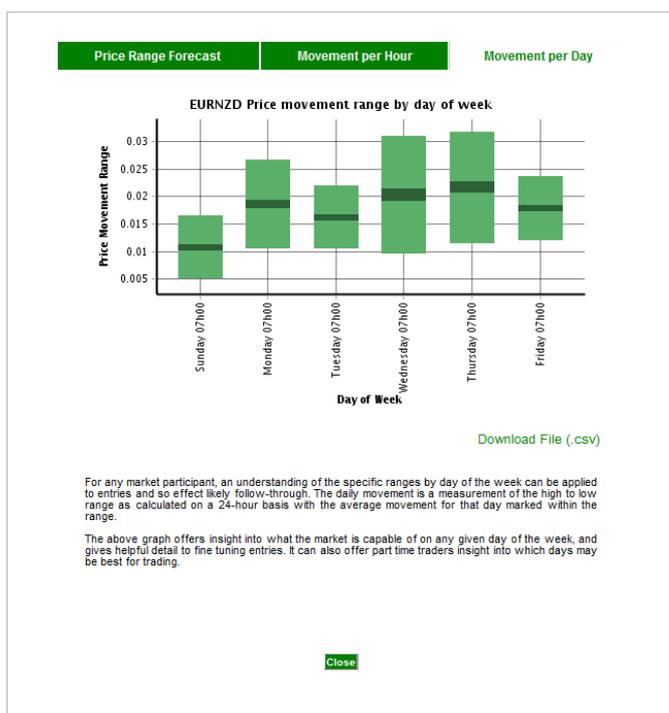
Movement Per Hour



The Movement Per Hour view gives an overview of what hours in the day sees more volatility in price movement for a selected instrument.

One can therefore assess the risk associated with trading certain instruments during different times of day.

Movement Per Hour



Very similar to the Movement per Hour view, the Movement per Day view, indicates the weekdays on which more volatility can be expected. This view is aimed at providing information on when certain structural aspects of certain markets make trading on certain days more risky.



Sound Switch

When new results are identified an audible sound is played. The alert sound can be toggled to **On or Off**.



The component that Autochartist uses to play sound notifications does an automatic selection of HTML 5 audio, native browser audio and Flash (if installed) to play the sound. Flash is most commonly used. To update Flash click on the link: <http://get.adobe.com/flashplayer/>

Computer sound as well as that of the application must be switched on to receive audio alerts.



Results Filter

Trading opportunities: FOREX (All Intraday)

- Chart Patterns
- Completed (36)
- Emerging (27)
- Fibonacci Patterns
- Completed (0)
- Emerging (46)
- Key Levels
- Breakouts (23)
- Approaches (3)

[Results Filter](#)

Should the results filter not be in view between the Pattern Display and the Trading Opportunities Pane click on the [Results Filter](#) link.

Select preferred types of trade opportunities by using the Results Filter. Tick and/or untick the check boxes next to each type of trade opportunity to view results in the Trading Opportunities Pane. Results will appear or disappear from the Trading Opportunities Pane in real time as the check boxes are ticked or un-ticked.

The diagram illustrates the interaction with the Results Filter. On the left, a mouse cursor is shown clicking the 'Results Filter' link. An arrow points to the right, where the filter is active. A red box highlights a specific trading opportunity in the table, demonstrating how the filter affects the displayed results.

Exchange	Symbol	Interval	Pattern	Identified	Count	Type	Length	Age
FOREX	US30K	30 Min	Support	00000000	176	Breakout	176	0 Candles
FOREX	US30K	45 Min	Support	00000000	124	Breakout	124	0 Candles
FOREX	US30K	45 Min	Triangle	00000000	47	Emerging	47	0 Candles
FOREX	US30K	45 Min	Inverse Head and Shoulders	00000000	83	Emerging	83	0 Candles
FOREX	US30K	45 Min	Channel Down	00000000	87	Emerging	87	0 Candles
FOREX	US30K	45 Min	Triangle	00000000	42	Emerging	42	0 Candles
FOREX	US30K	30 Min	Descending Triangle	00000000	109	Emerging	109	0 Candles
FOREX	US30K	15 Min	Triangle	00000000	27	Emerging	27	0 Candles
FOREX	US30K	30 Min	Inverse Head and Shoulders	00000000	44	Emerging	44	0 Candles
FOREX	US30K	30 Min	ABCD	00000000	38	Emerging	38	0 Candles
FOREX	US30K	30 Min	3 Drive	00000000	38	Emerging	38	0 Candles
FOREX	US30K	30 Min	ABCD	00000000	34	Emerging	34	0 Candles
FOREX	US30K	30 Min	ABCD	00000000	38	Emerging	38	0 Candles
FOREX	US30K	45 Min	ABCD	00000000	42	Emerging	42	0 Candles
FOREX	US30K	45 Min	ABCD	00000000	47	Emerging	47	0 Candles
FOREX	US30K	45 Min	ABCD	00000000	88	Emerging	88	0 Candles
FOREX	US30K	15 Min	ABCD	00000000	38	Emerging	38	0 Candles
FOREX	US30K	15 Min	ABCD	00000000	34	Emerging	34	0 Candles
FOREX	US30K	15 Min	Support	00000000	130	Approach	130	0 Candles



ACTIVE Trading Opportunities

The **Active Trading Opportunities** section is continuously populated with all the latest results of the search highlighted in the Search Pane (G), that fall within the categories selected in the **Results Filter** (K).

Active trading opportunities are patterns in which there still can be traded. This means that the price is not moving away from the expected direction and target, and the pattern has not yet completed or reached its target. As soon as any of this changes, the result is moved to the 'Expired Trading Opportunities' tab (see below)

Active Trading Opportunities (55)		Expired Trading Opportunities (52)							
Exchange	Symbol	Interval	Pattern	Identified	Quality	Type	Length	Age	
FOREX	GBPEUR	240 Min	Channel Down	 01-31 07:00		Emerging	67	0 Candles	
FOREX	AUDNZD	15 Min	Support	 01-31 01:30		Approach	150	0 Candles	
FOREX	USDHKD	15 Min	Support	 01-31 04:00		Approach	131	0 Candles	
FOREX	USDHKD	30 Min	Support	 01-31 04:30		Approach	66	0 Candles	

By default the first result is selected and highlighted in green.

For the sake of clarity and ease of use, results are highlighted in yellow when the mouse cursor hovers over them. Once clicked the pattern of the selected result will be displayed in the Pattern Display area and the result will be highlighted in green.

Information provided in the Results Pane for Active Trading Opportunities include:

- **Exchange**,
- **Symbol**,
- The **direction** of the pattern,
- Time **interval** of the bar chart,
- The **pattern** name,
- The time when the pattern was identified,
- Overall visual quality assigned to the pattern (arithmetic average of various different visual quality indicators),
- Pattern type, indicating whether it is emerging or completed, or a breakout or approach, (See Chapter 4: "Emerging vs. Complete Results" for a more in-depth explanation of the difference between completed and emerging patterns.)
- Pattern length in bars/candles,
- Age in candles since the pattern was identified.

This list is sorted by Age, which is the number of candles/bars that formed after the pattern was identified. This method of sorting means that longer term patterns such as 1-day and 4-hour patterns will move down the list at a much slower rate than short term patterns (15 min, 30 min). Also, the latest patterns will be listed first.



EXPIRED Trading Opportunities

To view this pane click on the 'Expired Trading Opportunities' tab which will be highlighted in dark grey. This pane lists all expired results for the search highlighted in the **Search Pane** (K).

Active Trading Opportunities (55)		Expired Trading Opportunities (52)						
Exchange	Symbol	Interval	Pattern	Identified	Quality	Type	Length	
FOREX	EURNZD	15 Min	Triangle	01-31 09:15	★★★★	Emerging	185	
FOREX	NZDJPY	15 Min	Triangle	01-31 09:15	★★★★	Emerging	27	
FOREX	USDCHF	60 Min	Triangle	01-31 09:00	★★★★	Emerging	47	
FOREX	USDCHF	30 Min	Triangle	01-31 09:00	★★★★	Emerging	94	

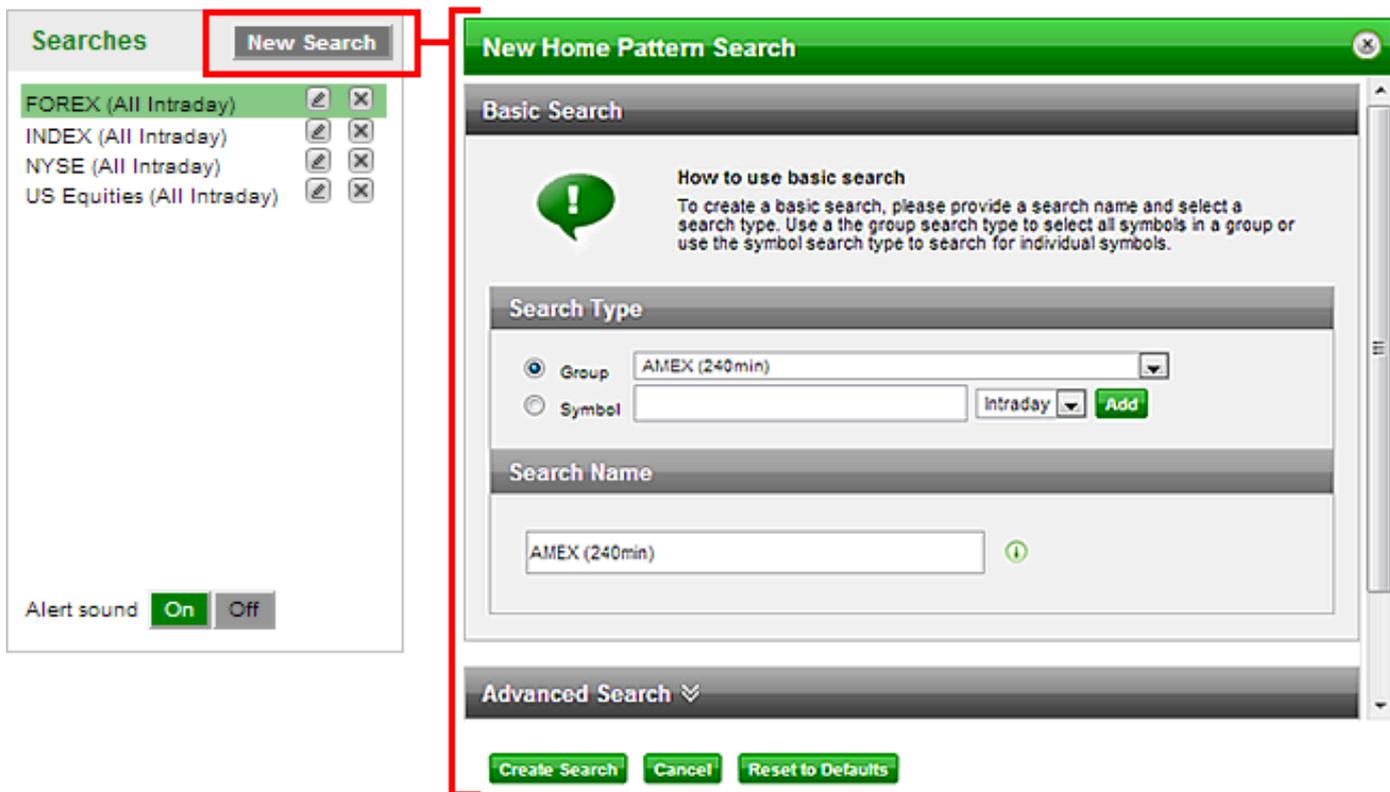
A result expires as soon as an event occurs that makes the expected outcome either unlikely or impossible, or when the expectation was fulfilled and the target reached. Some examples of expired opportunities would be when price starts moving consistently away from the target level of a completed pattern, or when an emerging pattern completes (in this case the emerging pattern expires, but a new completed pattern opportunity will arise). See the examples below.



The information in this section is displayed in exactly the same way as the information in the Active Trading Opportunities tab. For more information on how results are displayed, please see the preceding section (L).

CREATING AND EDITING A SEARCH

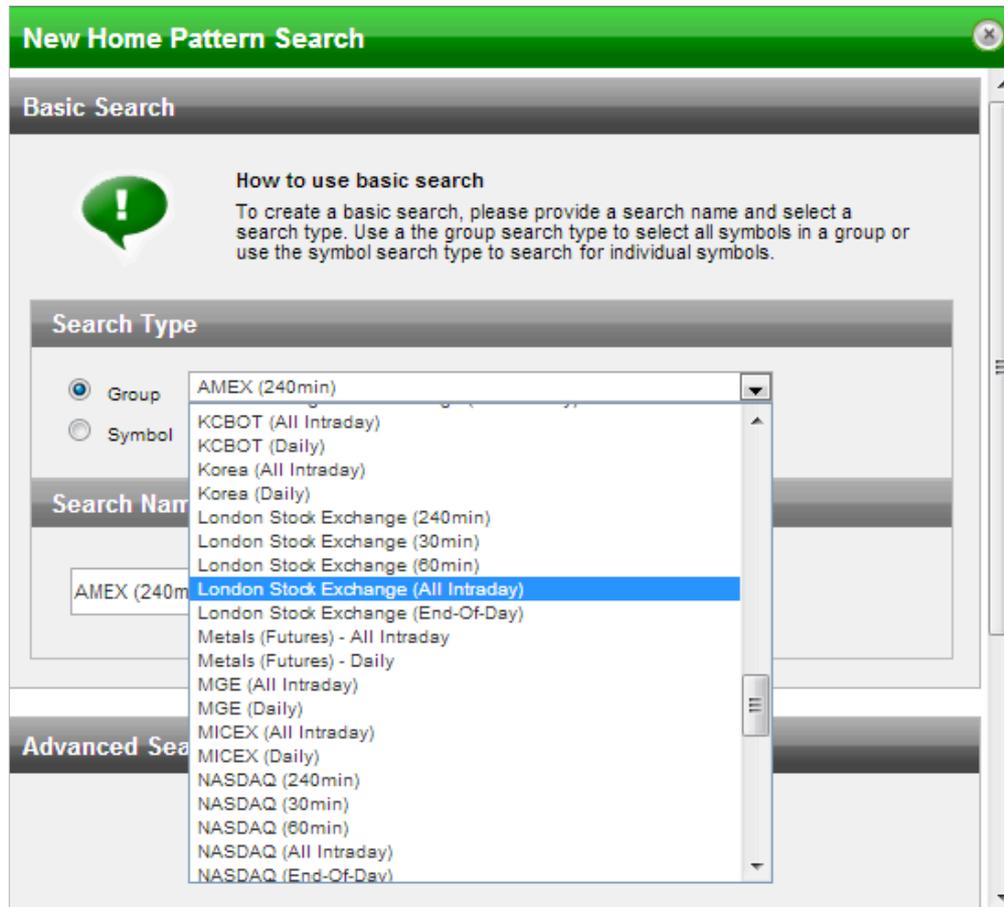
A **Search** is a group of symbols, either predefined or selected for which one wishes to find trade opportunities. Each search combines a filter to the symbol selection that filters results based on a set of advanced criteria. These are discussed under **Advanced Search Filters** below.



To start a new search, click on the **'New Search'** button at the top of the **Search Pane** (near the top left corner of the screen). The first step in creating a search is to specify the symbols to which the scan must be applied.

Basic Search (Selecting symbols/instruments)

The Basic Search functionality is also known as "Grouping". The basic search allows one to choose between selecting a predefined group (usually symbols on a particular exchange or symbols for a particular time granularity) and selecting symbols individually to form a unique portfolio.



CREATING AND EDITING A SEARCH

When a new group has been selected, the search name is automatically set to the default name of the group. The search name can be edited or augmented at any time.

The screenshot shows a window with two sections. The top section, titled "Search Type", contains two radio buttons: "Group" (selected) and "Symbol". The "Group" dropdown menu is open, showing "London Stock Exchange (All Intraday)". To the right of the "Symbol" field is a dropdown menu set to "Intraday" and a green "Add" button. The bottom section, titled "Search Name", contains a text field with the text "London Stock Exchange (All Intraday)". A red arrow originates from the "Group" dropdown and points to the "Search Name" text field.

To search for specific symbols choose the "Symbol" option on the radio button, add preferred symbols by typing in the name of the Forex pair or other symbols and an auto-complete list will appear and update as one types.

Next, select the relevant time granularity for each symbol and click on the "Add" button to add the symbol to a custom list.

The screenshot shows the "Search Type" section. The "Symbol" radio button is selected. The "Group" dropdown menu is open, showing "London Stock Exchange (240min)". The "Intraday" dropdown and "Add" button are visible. Below the "Add" button, a list of symbols is displayed: "FOREX | USDCAD | USDCADIntraday" with a close button (X).

Note: The search name will automatically change to the latest symbol added each time an addition is made to the symbol list.

Search Name

The lower part of the search window provides a text field to enter a name for the search. It changes automatically to the last group that was selected, or the last symbol that was added to a custom list. The name of the search will be displayed in the Search Pane.

The last step in the process of creating a basic search is to click the "Create Search" button at the bottom of the popup window.



CREATING AND EDITING A SEARCH

Advanced Search Filters

To create an "Advanced Search" filter on a new or existing search, select the "Advanced Search" link at the bottom of the basic search options.



The Advanced Search screen will expand with a list of additional criteria to refine a search. Note the three separate tabs for Chart Patterns, Fibonacci Patterns and Key Levels. Each tab displays specific criteria that will refine the search for the selected category of pattern or Key Level.

The selected tab is displayed in a lighter grey, and all the filter criteria relevant to that analysis type can be changed below.

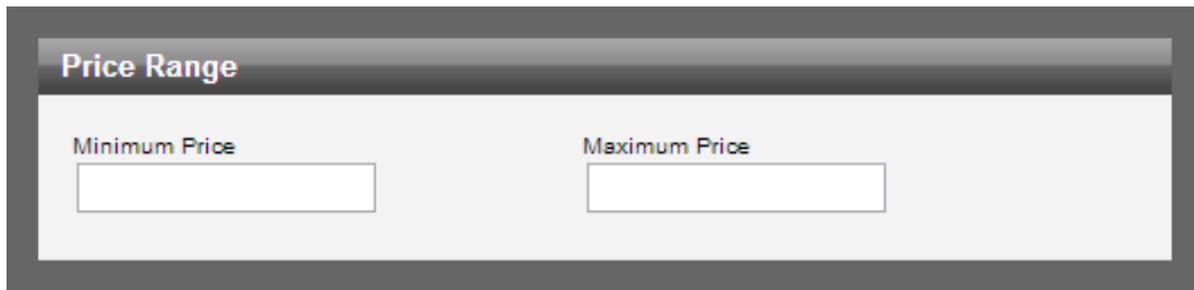
A screenshot of the "Advanced Search" filter form. At the top, there are three tabs: "Chart Patterns", "Fibonacci Patterns", and "Key Levels". The "Chart Patterns" tab is selected and highlighted in a lighter grey. Below the tabs, the form is divided into two sections. The first section is titled "Price Range" and contains two input fields: "Minimum Price" and "Maximum Price". The second section is titled "Direction" and contains three radio button options: "Bull" (with a green upward-pointing triangle icon), "Bear" (with a red downward-pointing triangle icon), and "Bull & Bear" (with a blue circle icon). The "Bull & Bear" option is selected.

NOTE: Beware not to make the advanced filter criteria too restrictive. It can easily happen that two or three criteria can be made too restrictive and cause the search to end up with an empty result set and message "No Patterns Found" in the Results Pane.

Each set of search criteria will be discussed in separate sections below.

Advanced Filters: Chart Patterns

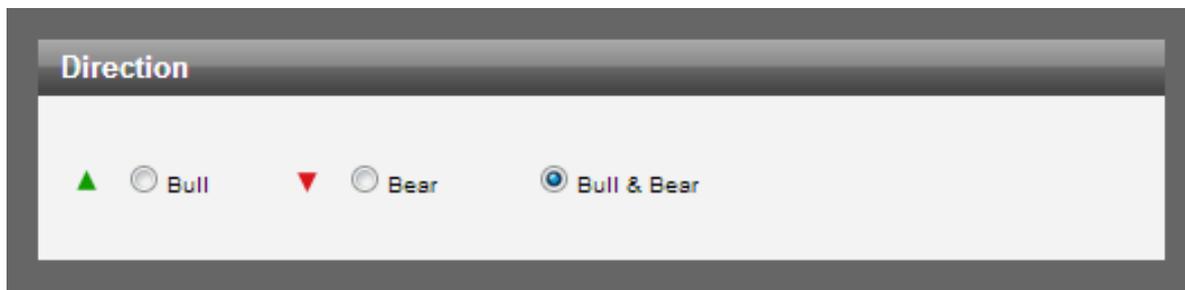
Price Range



The image shows a user interface for the 'Price Range' filter. It features a dark grey header with the text 'Price Range' in white. Below the header, there are two white text input boxes. The first box is labeled 'Minimum Price' and the second box is labeled 'Maximum Price'. Both boxes are currently empty.

This functionality is useful for scanning Equities and CFDs. One can define a minimum to maximum price range in the text boxes provided, for example to limit penny stocks or very expensive equities.

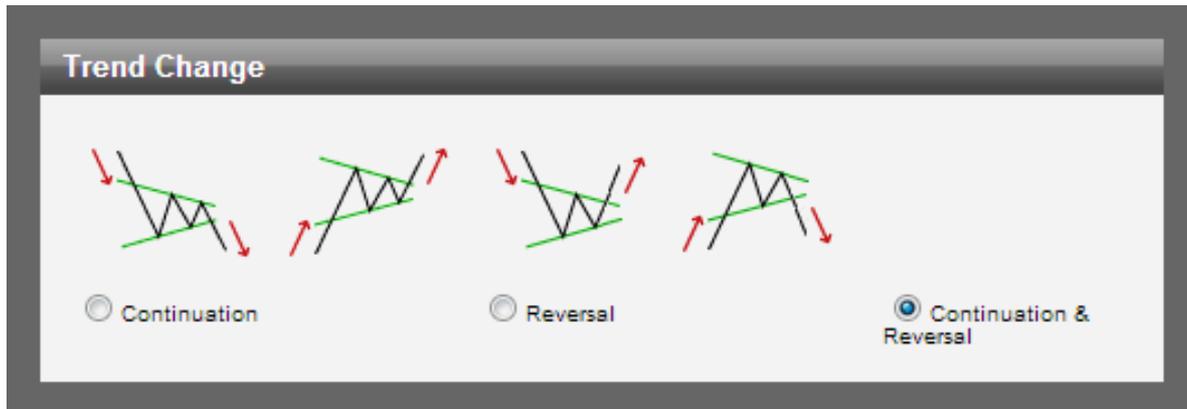
Direction



The image shows a user interface for the 'Direction' filter. It features a dark grey header with the text 'Direction' in white. Below the header, there are three radio button options. The first option is labeled 'Bull' and is accompanied by a green upward-pointing triangle. The second option is labeled 'Bear' and is accompanied by a red downward-pointing triangle. The third option is labeled 'Bull & Bear' and is accompanied by a blue circle with a white dot in the center. The 'Bull & Bear' option is currently selected.

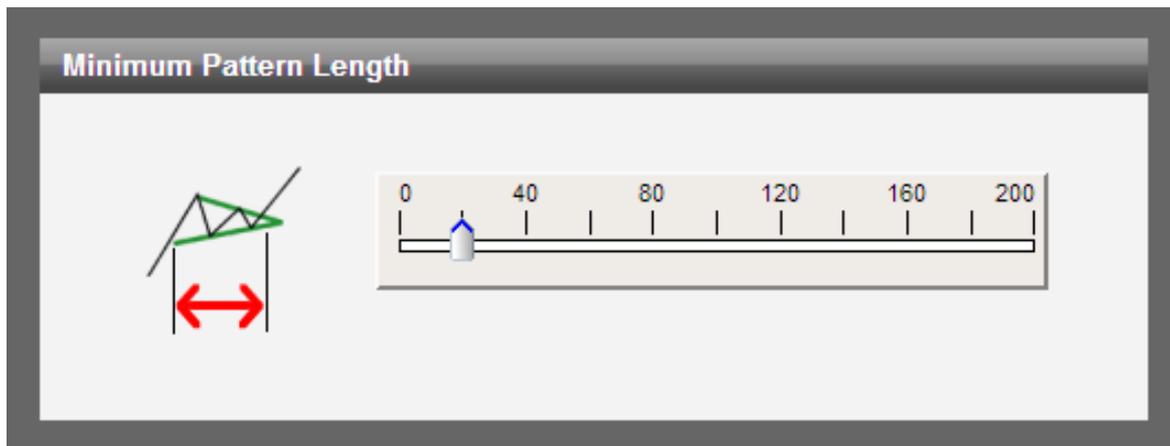
Search results can be filtered according to the direction of the possible outcome of price movement after the pattern is identified. Select a market direction of choice by clicking the applicable radio button.

Trend Change



The forecast price movement after a chart pattern is found would either be in the same direction as the Initial Trend, or in the opposite direction. If the forecast price movement after the pattern follows the same direction as the Initial Trend it is known as a continuation pattern. If it goes in the opposite direction to the Initial Trend it is called a reversal pattern.

Minimum Pattern Length



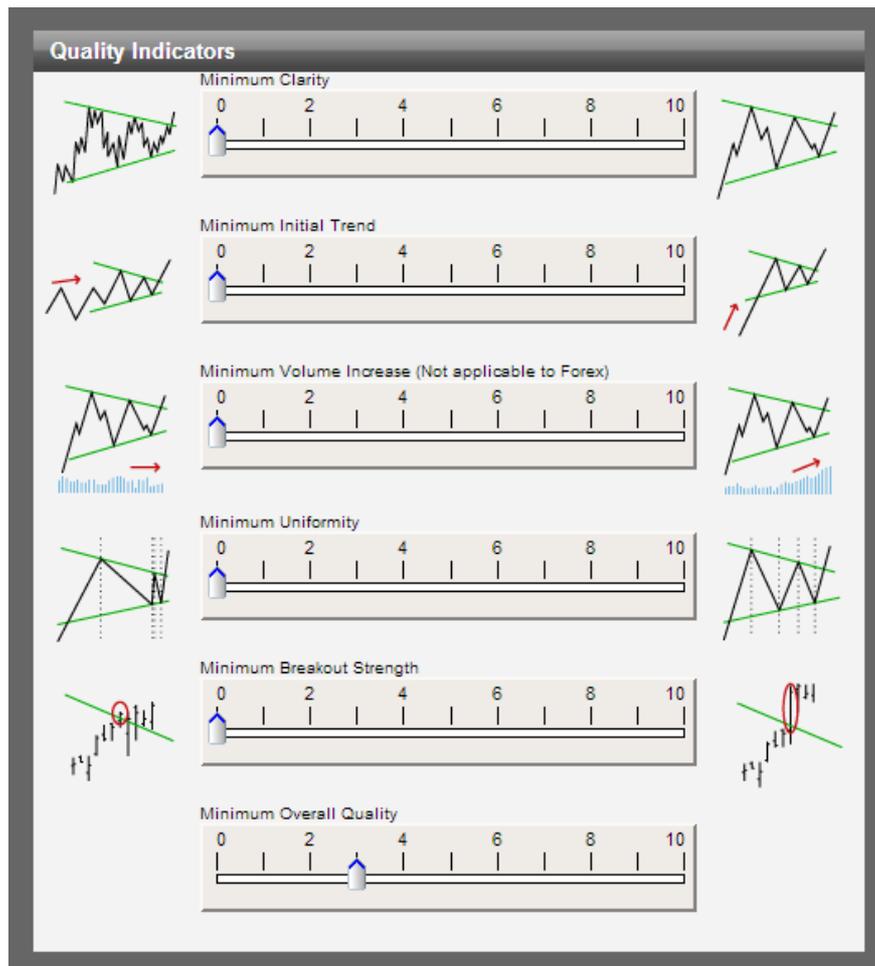
Pattern length is determined by the number of candles (bars) of the price chart that are contained in the pattern. For example, a pattern length of 30 on a graph with 60 minute bars would mean that the pattern was formed over 30 hours.

Chart Pattern Quality Indicators

Autochartist automatically rates 5 objective indicators to measure the visual quality of Chart patterns: Clarity; Initial Trend; Volume; Uniformity and Breakout strength. **(Disclaimer: Visual Quality is not an assessment of the efficacy of the Chart Pattern, nor the possible profit or loss one can realize from specific trading opportunities)**

Quality indicators reflect the visual appeal of the pattern. A high quality pattern will appear more attractive, well-proportioned and symmetrical. The overall quality measure is the arithmetic average of all other indicators.

Quality is expressed as a number ranging from 0 to 10, where 10 is the best quality and 0 is the poorest. Use the sliders to set the required levels of pattern quality for a search (see image below).



It is important to remember that the settings in this section determine the minimum requirements for quality. A lower threshold would allow more patterns to pass the search criteria. If the requirements are set too high, the search may return very few results or none at all. If all the quality indicator filters are set to zero, no results will be filtered out on quality and all results will be returned.

Overview of Chart Pattern Quality Indicators:

Clarity: Indicates the level of “noise” in the price graph. If there are many spikes in the price movements the clarity will be low.

Initial Trend: The strength of the trend that precedes a pattern. A long, consistent Initial Trend will have a higher rating for this indicator.

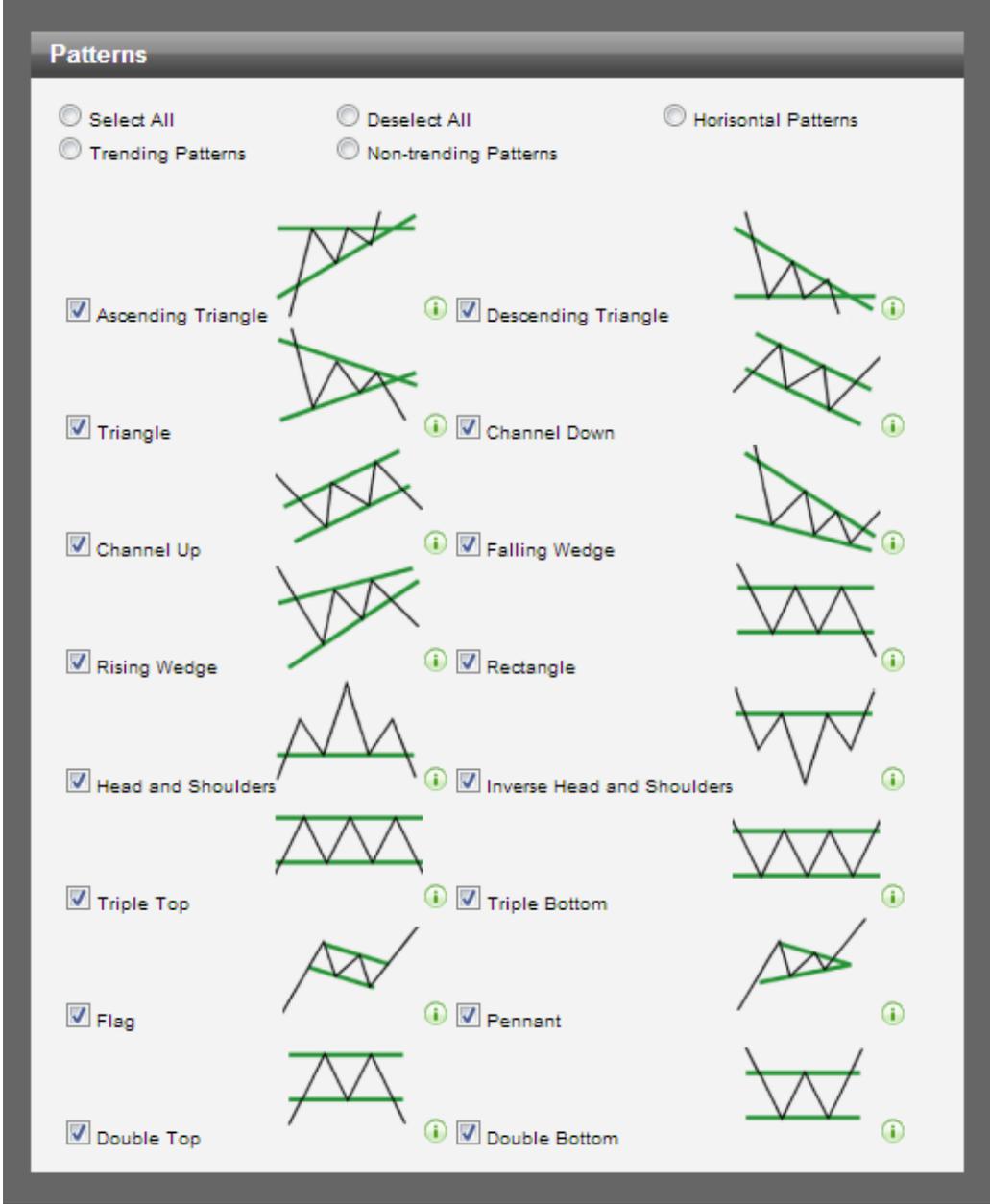
Volume: An important indicator that measures the increase in volume during the breakout of a price through support/resistance. Volume is only applicable to exchange-traded instruments (equities, ETFs).

Uniformity: If the points touching the support and resistance lines are more evenly spaced over time, the pattern will have a better Uniformity rating.

Breakout Strength: The size of the candle with which the price breaks through a support or resistance level

Types of Chart Patterns

Autochartist identifies 16 different Chart Patterns. Any of these can be filtered out in the Advanced Filter section of a search. For descriptions of each of these patterns, click on the  icon next to the pattern.

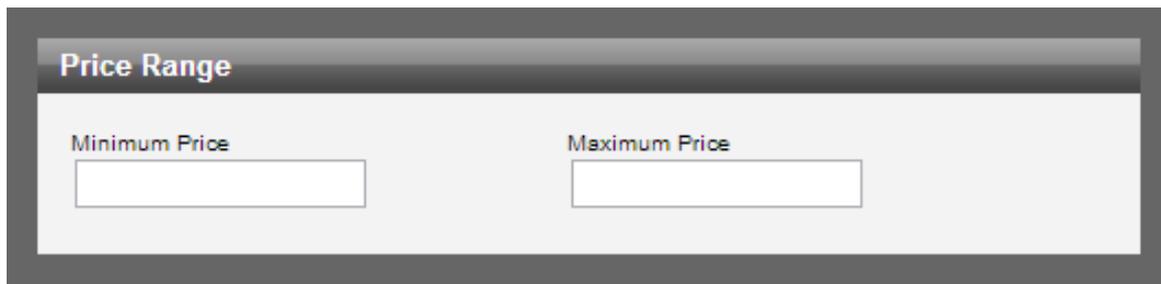


The screenshot displays a user interface titled "Patterns" for selecting chart patterns. At the top, there are three radio buttons: "Select All", "Deselect All", and "Horizontal Patterns". Below these are two more radio buttons: "Trending Patterns" and "Non-trending Patterns". The main area contains 16 rows, each representing a chart pattern. Each row includes a checked checkbox, a small diagram of the pattern, and an information icon (a lowercase 'i' inside a circle). The patterns listed are:

- Ascending Triangle
- Descending Triangle
- Triangle
- Channel Down
- Channel Up
- Falling Wedge
- Rising Wedge
- Rectangle
- Head and Shoulders
- Inverse Head and Shoulders
- Triple Top
- Triple Bottom
- Flag
- Pennant
- Double Top
- Double Bottom

Advanced Filters: Fibonacci Patterns

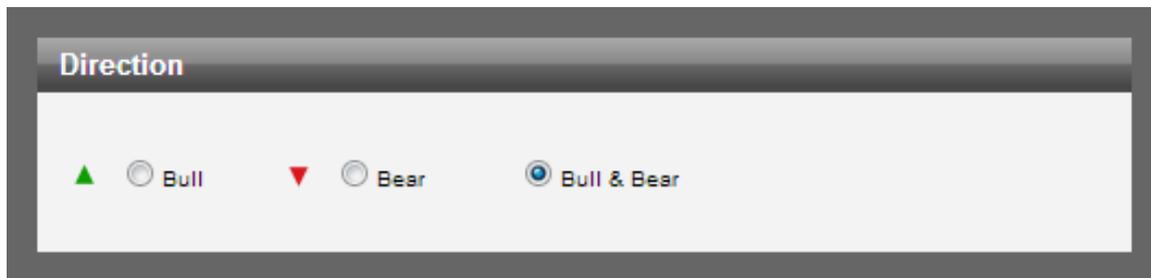
Price Range



The screenshot shows a dark grey header with the text "Price Range" in white. Below the header is a light grey area containing two white text input boxes. The first box is labeled "Minimum Price" and the second is labeled "Maximum Price".

This functionality is useful for scanning Equities and CFDs. Traders are able to define a minimum to maximum price range in the text boxes provided, for example to limit penny stocks or very expensive equities.

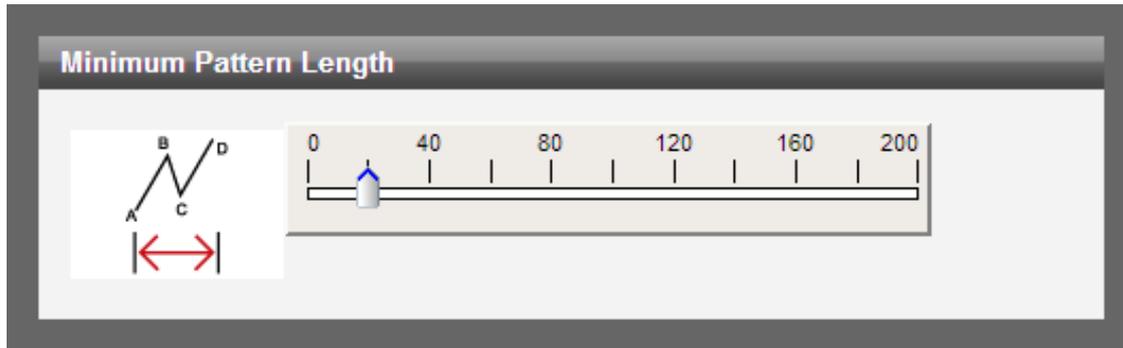
Direction



The screenshot shows a dark grey header with the text "Direction" in white. Below the header is a light grey area containing three radio button options. The first option is a green upward-pointing triangle followed by a radio button and the text "Bull". The second option is a red downward-pointing triangle followed by a radio button and the text "Bear". The third option is a blue circle with a white dot in the center, followed by a radio button and the text "Bull & Bear".

Search results can be filtered according to the direction of the forecast price movement after the pattern is identified. Every pattern has either a bullish or bearish outlook. If you are interested only in a particular market direction you can select it here by clicking the applicable radio button.

Minimum Pattern Length

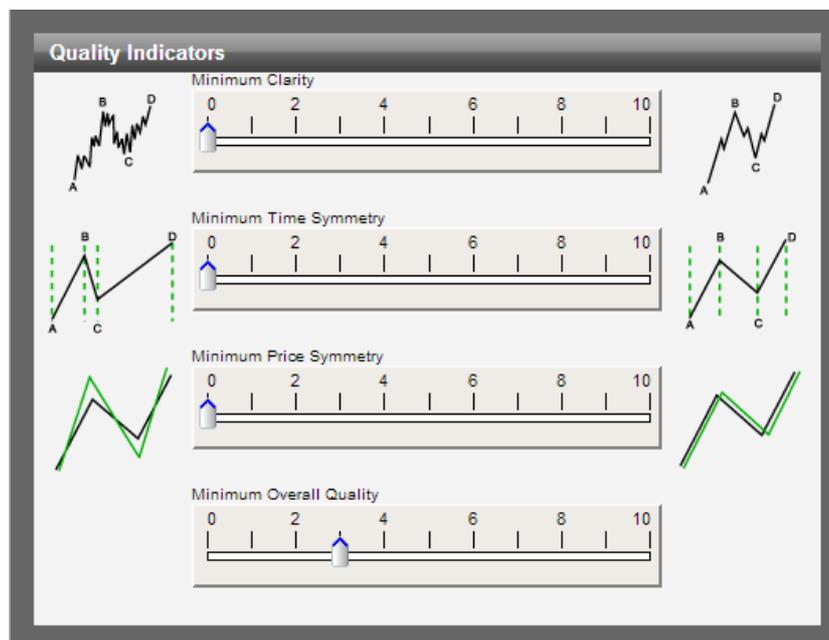


Pattern length is determined by the number of candles (bars) of the price chart that are contained in the pattern. For example, a pattern length of 30 on a graph with 60 minute bars would mean that the pattern was formed over 30 hours.

Fibonacci Pattern Quality Indicators:

Three indicators measure Fibonacci pattern quality. Each Indicator is discussed below. Quality indicators reflect the visual appeal of the pattern. A high quality pattern will appear more attractive, well-proportioned and symmetrical. The overall quality measure is the arithmetic average of all other indicators.

Quality is expressed as a number ranging from 0 to 10, where 10 is the best quality and 0 is the poorest. Use the sliders to set the required levels of pattern quality for a search (see image below).



Clarity

Indicates the level of “noise” in the price graph. If there are many spikey movements in the price movements the clarity will be low.

Time Symmetry

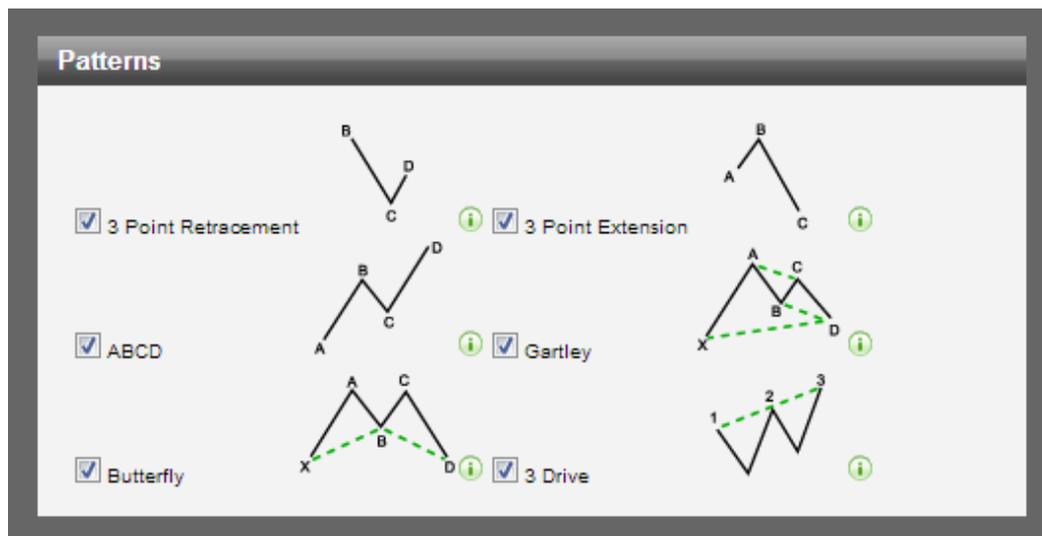
The degree to which time differences between turning points follow the same Fibonacci ratios found in price levels.

Price Symmetry

Price Symmetry is the degree to which the identified ratios match the theoretical Fibonacci ratios, within some margin of error. Therefore, the smaller the margin of error, the higher the Price Symmetry.

Fibonacci Pattern Types

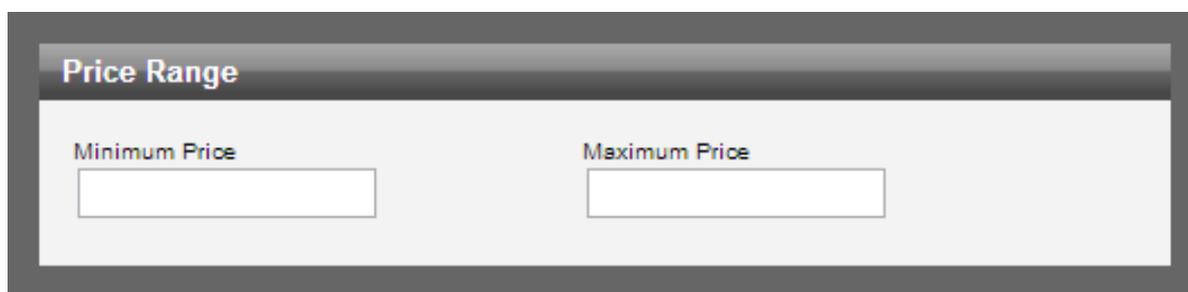
Autochartist identifies six different Fibonacci patterns. Any of these can be filtered out in the Advanced Filter section of a search. For descriptions of each of these patterns, click on the icon next to the pattern.



Advanced Filters: Key Levels

Chart patterns, Fibonacci Patterns and Key Levels are accompanied by their own set of unique search criteria. Each section is described below.

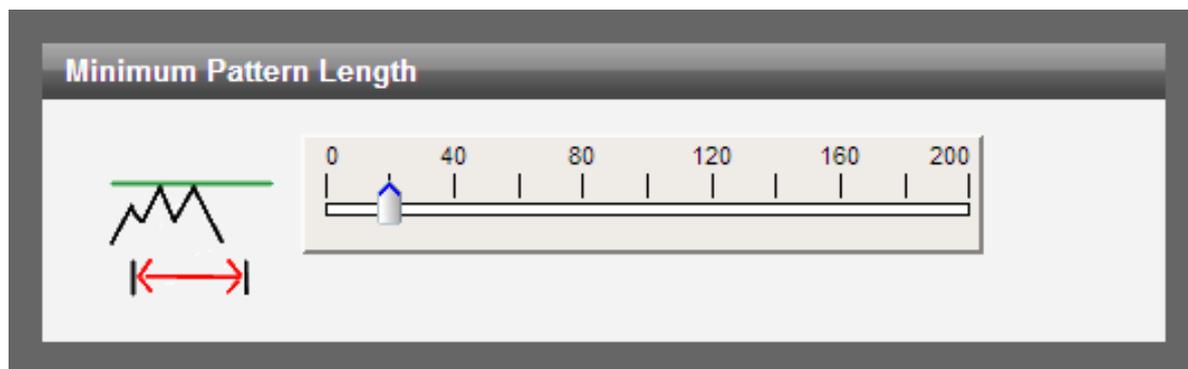
Price Range



The image shows a user interface for the 'Price Range' filter. It features a dark grey header with the text 'Price Range' in white. Below the header, there are two white text input boxes. The left box is labeled 'Minimum Price' and the right box is labeled 'Maximum Price'.

This functionality is mainly useful for scanning Equities and CFDs. Traders can define a minimum to maximum price range in the text boxes provided, for example to limit penny stocks or very expensive equities.

Minimum Pattern Length

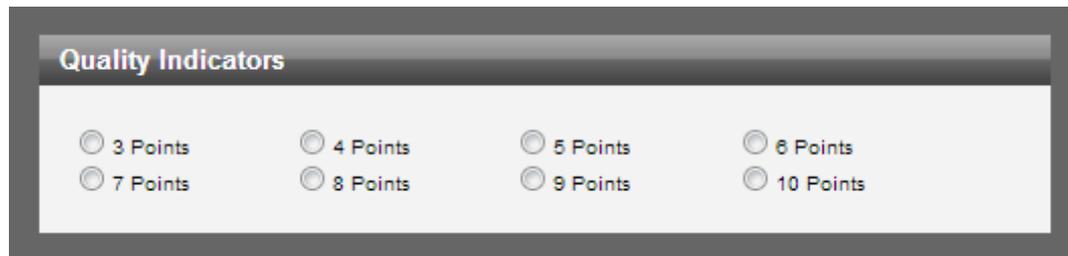


The image shows a user interface for the 'Minimum Pattern Length' filter. It features a dark grey header with the text 'Minimum Pattern Length' in white. Below the header, there is a diagram of a price chart pattern with a red double-headed arrow indicating its length. To the right of the diagram is a horizontal slider control with a blue handle. The slider has numerical markings at 0, 40, 80, 120, 160, and 200.

Pattern length is determined by the number of candles (bars) of the price chart that are contained in the pattern. For example, a pattern length of 30 on a graph with 60 minute bars would mean that the pattern was formed over 30 hours.

Quality Indicators

Key Levels have one assessment of possible significance of the identified level - this is a measure of the number of points where the price graph touches the support or resistance level and thus confirms it.



By default, any Key Level will have at least 3 touching points, but this set of radio buttons allows traders to select a higher minimum number of touching points to filter on. Note that the higher number this filter is set to, the fewer results will be displayed.

Key Level Pattern Types

There are only two types of Key Levels – Support and Resistance. Horizontal Support is a low price level that is tested and touched from above, while Horizontal Resistance is a price ceiling that is tested and touched from below and broken through in a bullish direction.



This is a brief overview of emerging patterns, what they mean, and how they become completed patterns.

Emerging Chart Patterns:



Emerging chart patterns provide one with early notification of potential trading opportunities. They represent fully formed patterns that only need price to break through support or resistance in order to complete.

As soon as price breaks through the anticipated level of support or resistance, the emerging pattern is expired and a completed pattern presented as a trading opportunity.

Many emerging patterns do not complete however, and this usually means that the price has not continued moving in the direction of support or resistance where the breakout for completion was expected. If a new turning point forms between the support and resistance levels before breaking out, the emerging pattern will expire.

Emerging Fibonacci Patterns:



Emerging Fibonacci patterns are slightly more convoluted, as there is more than one hypothetical condition that needs to occur for the pattern to complete.

The setup for an emerging Fibonacci pattern has a theoretical final turning point set at a particular price level, indicated by a pink dot on the graph. For the pattern to complete, price not only has to reach that level, but it has to find support/resistance at that level and retrace in the opposite direction.

If either the price does not reach the target level, or it does not turn around at that level, the pattern will expire.

DISCLAIMER

The Autochartist service includes chart pattern identification in respect of foreign currencies, commodities, equities and stocks. There are potential risks relating to investing and trading. You must be aware of such risks and familiarize yourself in regard to such risks and to seek independent advice relating thereto. You should not trade with money that you cannot afford to lose. The Autochartist service and its content should not be construed as a solicitation to invest and/or trade. You should seek independent advice in this regard. Past performance is not indicative of future performance. No representation is being made that any results discussed within the service and its related media content will be achieved. All opinions, news, research, analyses, prices or other information is provided as general market commentary and not as investment advice. Autochartist, MDIO Software, their members, shareholders, employees, agents, representatives and resellers do not warrant the completeness, accuracy or timeliness of the information supplied, and they shall not be liable for any loss or damages, consequential or otherwise, which may arise from the use or reliance of the Autochartist service and its content.