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Quick tour

This section includes a quick overview of the most important features in the platform.

MAIN WINDOW

The main window lets you open all other windows in the platform.

From this main window, you can access the toolbar, which enables you to draw, modify or delete objects and Alerts on your charts. You can also find the search bar here, allowing you to locate instruments and open them as charts or order books.

TOOLBAR

You can personalize your toolbar via the Options menu, or just by a right click over the toolbar itself.

Learn more about the search tool
Learn more about drawing objects
CHARTS & INDICATORS

The chart window lets you view a chart of an instrument and personalize it, adding technical analysis indicators, trend lines and trading systems.
TRADING

The trading module enables you to place orders directly through the charts, on the order books and on your lists. The trading interface is completely customizable.

PORTFOLIOS

The Portfolios window lets you track all of your positions and the development of your portfolio.

Learn more about trading features

Learn more about Portfolios
ORDER LIST

The order list shows you all pending, executed and canceled orders.

<table>
<thead>
<tr>
<th>Date</th>
<th>Ticker</th>
<th>Side</th>
<th>Type</th>
<th>Qty</th>
<th>Price</th>
<th>Gain</th>
<th>Pos. Chg</th>
<th>Limit</th>
<th>Stop</th>
</tr>
</thead>
<tbody>
<tr>
<td>15:17:41</td>
<td>EURUSD</td>
<td>Sell</td>
<td>Trailing stop</td>
<td>-100k</td>
<td>1.2546$</td>
<td>-70.00$</td>
<td>100,000 =&gt; 0</td>
<td>1.2545$</td>
<td></td>
</tr>
<tr>
<td>14:57:13</td>
<td>DAX1214</td>
<td>Buy</td>
<td>At market</td>
<td>1</td>
<td>9,304.00</td>
<td>0</td>
<td>=&gt; 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14:56:52</td>
<td>EURUSD</td>
<td>Buy</td>
<td>At market</td>
<td>100k</td>
<td>1.2553$</td>
<td>0 =&gt; 100,000</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14:49:08</td>
<td>EURUSD</td>
<td>Sell</td>
<td>Limit</td>
<td>-100k</td>
<td>1.2551$</td>
<td>20.00$</td>
<td>100,000 =&gt; 0</td>
<td>1.2551$</td>
<td></td>
</tr>
<tr>
<td>14:48:25</td>
<td>EURUSD</td>
<td>Buy</td>
<td>At market</td>
<td>100k</td>
<td>1.2549$</td>
<td>0 =&gt; 100,000</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14:05:35</td>
<td>DAX1214</td>
<td>Sell</td>
<td>Limit</td>
<td>-1</td>
<td>9,287.00</td>
<td>62.50$</td>
<td>1 =&gt; 0</td>
<td>9,287.00</td>
<td></td>
</tr>
<tr>
<td>13:49:17</td>
<td>DAX1214</td>
<td>Buy</td>
<td>At market</td>
<td>1</td>
<td>9,284.50</td>
<td>0</td>
<td>=&gt; 1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

LISTS

The lists window allows you bring up lists of instruments and open the corresponding charts by clicking on the line containing the instrument, or by clicking on the chart icon to the left of the instrument name.

You can personalize the information shown, create your own lists and also place orders from lists.

Learn more about the order list

Learn more about lists
ORDER BOOK

You can use the order book to see market depth and place your orders. There are three different types of order book available: Vertical, horizontal and best bid/ask.

Learn more about the order book
TICK BY TICK LIST
The tick by tick list shows the list of ticks (transactions) for the current day.

PROREALTREND
The integrated ProRealTrend feature can draw trend lines for you automatically. You can show or hide these trend lines in just one click.

Learn more about the tick by tick list
Learn more about ProRealTrend
PERSONAL INDICATORS

The ProBuilder module gives you the option to create personal indicators. The powerful code editor can not only be used to create indicators, but also to import and export them, allowing you to share them.

Learn more about personal indicators

TRADING SYSTEMS

You can create and test your own trading systems with our backtesting module. Using this feature, you can see your system's equity curve, detailed reports, position histograms and orders directly on the chart. Trading systems can be created without writing a single line of code using the assisted creation wizard, or by direct programming. You can also import and export your trading systems.

Learn more about backtesting
Consult the trading systems manual
PROORDER AUTOMATIC TRADING

Once you have created your trading system, you can also use it for automatic trading.

Use this window to configure your automatic trading systems. Click on the wrench button on the right to set your automatic trading preferences.

Running

<table>
<thead>
<tr>
<th>Symbol</th>
<th>System Type</th>
<th>Position</th>
<th>Latent Gain</th>
<th>Total Gain</th>
</tr>
</thead>
<tbody>
<tr>
<td>APPLE INC. - Daily</td>
<td>RSI System</td>
<td>0</td>
<td>0.00 $</td>
<td>0.00 $</td>
</tr>
<tr>
<td>DAX3 Full1214 Future - 1 hour</td>
<td>Breakout</td>
<td>1</td>
<td>862.50 €</td>
<td>862.50 €</td>
</tr>
<tr>
<td>Spot EUR/USD - 5 minutes</td>
<td>Breakout</td>
<td>100K</td>
<td>70.00 $</td>
<td>170.00 $</td>
</tr>
</tbody>
</table>

Not Running

There are no trading systems in this "Not running" section of ProOrder. You can add systems to this section to prepare them for automatic trading. To add a new system to this section:
- Open a chart of a tradeable instrument and select the timeframe of your choice
- Click this button on the chart:
- Choose the "Backtesting & Automatic Trading" tab
- Pick a system and push the button "Prepare for automatic trading"

Total running: 3 systems Valid until: 07-Oct-2014 16:00:00 Portfolio value: 100,937.09 €

Learn more about ProOrder
NEWS MODULE

The news module offers professional financial news in real time, shown on the charts and also in the dedicated news window.

A subscription to Dow Jones News is required to use this module.

Learn more about the financial news packages available
MARKET SCAN TOOLS

ProRealTime offers several advanced market scanning features.

The **Top Movers window** shows the top moving instruments according to a selection of preset criteria.

The **ProScreener** feature can be used to create highly personalized market scans without writing a single line of code via the assisted creation wizard, or by direct programming.
The ProRealTrend Detection feature can detect instruments close to support and resistance lines.

ALERTS

You can consult, modify and delete your Alerts via the Alerts Status window.

Learn more about ProRealTrend Detection

Learn more about Alerts
SPREADS

Using the Spreads window, you can create, modify and delete your personalized spreads. With real-time access, you can create a real time chart showing 2*Dax Future - 1xCAC40 Future and chart the candles representing this spread over the course of the day.

CURSOR DETAILS

The Cursor details window lets you display the values of your different indicators at a specific point on the chart by placing your cursor on that point.
CONTEXTUAL HELP

To activate/deactivate contextual help, click on "Help", and then "Contextual Help".
If the option is checked, place the cursor over a platform function for a few seconds and a small help window containing further information will appear (see image below).

Delete Objects
- Move the mouse cursor near an object so that it will be recognized and changes color.
- Click on the left button of the mouse to delete it.
- Click on the right button of the mouse to cancel the deletion.
You can display the charts using the search tool or from a list of instruments.

**Display a chart from the search tool**

To display a chart of your chosen instrument, enter its name in the search bar located in the platform's main window, and results closest to your search will show up while you are still typing. Click on your chosen result from the list that appears to show your chart.

1. **DAX30 Perf Index**
2. **LYxor ETF DAX**
3. **DAX Kursindex**
4. **DK DAX**
5. **DB X-TR DAX**
6. **DAX36 Full 214 Future**
7. **DAXLEVDAX**
8. **DxdaC**
9. **DB X-TR.SHORTDAX DAILY 1C**
10. **DAX INTERN. 100 TR**

**Learn more about search functions**
Display a chart from a list of instruments

If the Lists window is not shown on your screen, click on "Display" in the main window, and then select "Lists".

Use the drop-down menu at the top of the window to select your market of choice. You can then click on any instrument to open its related chart.

Quick instrument switch

The arrow in the upper-left corner of the charts lets you quickly change the instrument displayed.

You can directly click on a recently displayed instrument or enter an instrument name / ticker in the search bar.
Display multi-charts

Related help videos
- Manage multi-charts
- All help videos

Open multiple charts from lists
You can open multiple charts of the same or different instruments simultaneously. To do so, just click on the icon to the left of the instrument name in an list.
You also do this from any window containing lists of instruments (ex. Top movers, Alert status, etc).
To open additional charts, click on the icons located next to the name of each instrument.
Duplicate chart

To duplicate a chart, place the cursor in an empty space on the chart and right-click. From the popup menu, select “Duplicate chart”.

1. Place the cursor in an empty space on the chart, and right-click.

2. Select “Duplicate chart” from the popup menu.
The new chart will have exactly the same properties as the original (chart size, timescale, indicators, etc.) You can modify the properties of this new chart as normal, or change the instrument shown within. To do so, place the cursor in an empty space on the new chart, right click and select “Change security”. The advanced search window will then open, so you can select your new instrument.
Manage multi-charts

The template chart
To facilitate configuring your templates, you can define one chart as your "Template chart". This can then be used as a model for all charts that you subsequently open using the lists or search functions.
The new charts will also have the same properties as the main chart including:
- Chart size
- Timescale
- Indicators/trading systems displayed
- Price style (Candles, bar charts, renko, etc)
- General properties (background color, vertical scale density, etc.)

The template chart can be identified by the icon in the bottom left hand corner of the chart.
To change which of your charts is the template chart, click on the icon on your selected chart, and then choose "Set as template chart".
Link / unlink charts

Each chart can be used independently (unlinked), or linked to others. Unlinked charts can show any instrument.

Linked charts will all show the same instrument: when you click the name of a security in a list, all the linked charts will be updated to display the instrument you just clicked.

An unlinked chart will show this unlinked icon: 🌖

A linked chart will show the icon as a complete link: 🌞

To link/unlink a chart, click on the icon and select "Link".

You can also link/unlink order books and tick by tick lists in exactly the same way.

Note: All charts opened from a list by clicking on the 🌖 icon are unlinked by default. The link/unlink function relates to the instrument shown in the charts, but not its properties. Two linked charts can therefore show different time frames, indicators, etc.

As soon as you click on the name of an instrument in a list, all linked charts (Unbroken chain shown in icon, marked yellow in screenshot) will change to show this instrument. Unlinked charts (Broken chain shown in icon, marked blue in screenshot) will remain unchanged.
Multi-charts in the Premium version

Create groups of charts

Using the Premium version gives you the option to not only link and unlink charts, but also to link multiple groups of charts together, allowing you to use each group to study a particular instrument. Multiple groups are especially useful when you have multiple screens (ex: one group of charts per screen). Up to 6 groups can be linked separately, each designated by a different color. Just one click on the link icon gives you the option of choosing to which color group to link the chosen chart.
Link a list to each group of charts

The Premium version also allows you to link a list or a search function to a group of charts. Click on the link icon in the top left of your list to choose which group of charts you want to associate with the list. Once you have linked your list, one click on an instrument name will change all the charts in this group, but will leave other groups and independent charts unchanged.

In the above example, the list labeled “France” and the search bar are linked to the blue group. Choosing an instrument from this list or a new search will change the instrument shown in the charts in the blue group of charts.

The list labeled “Forex” is linked to the red group. Choosing an instrument from this list will change the instrument shown in the red group of charts.
At the top of each chart, two dropdown menus are used to configure:

- The amount of historical data
- The chart timeframe

**Amount of historical data loaded (left dropdown menu)**

The left-hand dropdown menu can be used to configure the amount of historical data to be shown in the chart. You have the choice of number of units (ex. 200 units), or a period of time (ex: 1 month, 10 years).

For views in units, 1 unit corresponds to 1 candle. Example: by selecting 200 units and Daily from the left and right menus respectively, the chart will show 200 candles, each representing a day, therefore showing 200 days of trading (see image above).

For long term analysis using all data history available, select (x) units from the left-hand dropdown menu, and enter 100 000 units into the field that appears.

*The amount of historical data shown directly affects the loading speed of your charts. As a result, it is recommended to avoid showing the maximum data history on a permanent basis.*
Chart time frame (middle dropdown menu)

The right-hand dropdown menu controls the timeframe, or the period that each candle represents. For example, a choice of 5 minutes using candlesticks would show each candlestick representing 5 minutes of time.

The most frequently used time frames are those based on units of time (highlighted in yellow in the example below). ProRealTime also offers non-time based views based on liquidity, such as volume, or number of transactions (highlighted in green below).

**Time based views**

The most common time based views (5 minutes, 1 hour, daily) are available as standard in the dropdown menu.

You can also create personalized time frames to suit your own style, using the (x) time frames: (x) seconds, (x) minutes, (x) hours, (x) days, (x) weeks and (x) months.

Example: You can create 100 minute candles, or 12 second candles.

**Non time based views**

The non-time based views available are:

- **Tick by tick**: In this view, each individual transaction is shown on the chart. Therefore, Tick by tick is shown as a continuous line, and cannot be shown as a candlestick.
- **(x) ticks**: Each candle is constructed using a defined number of (x) transactions, or ticks. Once the defined number of tick is reached, the candle closes and a new candle begins.
- **(x) volumes**: Each candle is constructed using a defined number of (x) volumes. Once the defined number of volumes is reached, the candle closes and a new candle begins.

Non time based views provide additional information, notably by offering easier way to see the impact of volumes on price movement.

The time scale (x-axis) will adapt to non-time based views. As we can see in the chart below, the amount of
transactions that took place in the first hour of trading much higher than the amount in later hours.

You can show a time (or tick) countdown to the next candle by clicking on the Chart Properties icon (the wrench symbol in the bottom right hand corner of your chart), and checking the “Display countdown to next intraday bar” option in the popup menu.
The icon in the bottom right hand corner of your charts gives you access to the "Chart Settings". Through this, you can customize the chart display options that are unrelated to indicators. To learn how to personalize chart indicators and how the price display styles, check the Indicators & price section.

From this menu, you can:
- Personalize the color of your chart, text and scale
- Choose different colors for alternate days in intraday views
- Display/hide indicator names
- Choose the vertical scale density
- Display/hide countdown to next intraday candle
- Choose the amount of future (in %) to be shown to the right of the candles (used to get a better view of chartist-based projections)
- Display daily/yearly high and low at the top of the chart
- Display/hide vertical (time) and horizontal (price) grids

These settings can apply only to the chart selected, or to all charts by checking the "Apply to all charts" option.
The image below shows how to change the background for even and odd days.
The image below shows how to display or hide indicator names.
The image below shows how to configure vertical scale density.
Lists

Lists of securities

To show a list of instruments, go to the main window, and select "Lists" from the "Display" menu. The dropdown menu (highlighted in yellow on the image below) is used to select the list of instruments of your choice.

By default, the platform offers the most common lists, organized by country and by type (equities, forex, indices and futures).

You can also create personal lists to quickly access instruments you want to follow or instruments that are not in default lists.

To quickly display a list containing all of your charts which have been loaded during the session, select "Displayed Securities" from the dropdown menu.
Customize columns

Select which columns to display

The list columns can be personalized by clicking on the wrench icon in the top left hand corner of each list. By checking and unchecking the boxes in the popup menu, you choose which columns to show in your list.

Note: The wrench icon is available in all platform windows containing lists of securities (ex: Lists, Top Movers, Alerts status, etc), allowing you to personalize their columns.

The table below provides an explanation of each option that can be shown in the columns:
### LABEL | INFORMATION SHOWN
--- | ---
Last | Last price
% Var | Percentage variation between the last price and the close of the previous trading day
Var | Difference between the close and the close of the previous trading day
Volume | Volume of orders in thousands (K) or millions (M)
Capital | Volume * last price
Tick time | Time of latest tick, shown as hh:mm:ss
Open | Open price
High | Highest price of the current day
Low | Lowest price of the current day
Prev | Closing price of the previous day
Bid | Best bid price
Bid vol | Best bid volume
Bid nbr | Best bid number of orders
Ask | Best ask price
Ask vol | Best ask volume
Ask nbr | Best ask number of orders
Security | Type of financial instrument (forex, future, index, etc)
ISIN | Security ISO 6166 code (International Securities Identification Number)
Ticker | Ticker code
Exchange | Market on which the instrument is traded

#### Optimizing column width

By clicking on the "Optimize display" button in the same settings window, you can automatically adjust the width of each column to make all of the information in the columns visible.

#### Changing column position

To change the position of a column in relation to the others, click and hold the left mouse button over the column title. Now drag the column to its chosen position, and release the mouse button to set the column in its new position. In the example below, you can see how to move the "Last" column to the far right of the list:
Order your list

You can order your list using any column as the sorting criteria by clicking on the column title. To toggle between increasing and decreasing order, click on the column title again.

For example:

- Click on the column title "Name" to put your list in alphabetical order.
- Click on the column title "%Var" to order the list by percentage variation between the close and the close of the previous day.
- Click on the column title "Volume" to order the list by volume traded on an instrument.
Using the "Set lists" button, you can create, modify or delete personal lists.
Create a personal list

1. Click the "New list" button
2. Give a name to the list
3. Click "Add securities": an advanced search window will open to let you search for the instrument by keyword or by market. Select all the securities you want to add and then click "OK".

Example: Create a list containing a group of securities in a market segment of your choice:

- Select "Search by market" and select the market of your choice in the first dropdown menu, then select a segment in the second dropdown menu (highlighted in the image below). The complete list of securities will be displayed.

- To select securities, click the name of the instruments one by one. You can also select a group of instruments displayed: click the first one you want to add, hold the "Shift" key of your keyboard and then click on the last one you want to add.

- Finally, click "OK" to create the list.

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>ISN</th>
<th>Ticker</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCOR</td>
<td>Stock</td>
<td>FR0000120404</td>
<td>AC</td>
</tr>
<tr>
<td>AIR LIQUIDE</td>
<td>Stock</td>
<td>FR0000120073</td>
<td>AI</td>
</tr>
<tr>
<td>AIRBUS GROUP</td>
<td>Stock</td>
<td>NL0000351900</td>
<td>AIR</td>
</tr>
<tr>
<td>ALCATEL-LUCENT</td>
<td>Stock</td>
<td>FR0000130067</td>
<td>ALU</td>
</tr>
<tr>
<td>ALSTOM</td>
<td>Stock</td>
<td>FR0010220475</td>
<td>ALO</td>
</tr>
<tr>
<td>ARENORMITTAI</td>
<td>Stock</td>
<td>LU0331340060</td>
<td>MT</td>
</tr>
<tr>
<td>AXA</td>
<td>Stock</td>
<td>FR0000120628</td>
<td>CS</td>
</tr>
<tr>
<td>BNP PARIBAS ACT A</td>
<td>Stock</td>
<td>FR0000131104</td>
<td>BNP</td>
</tr>
<tr>
<td>BOUYGUES</td>
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</table>
Modify a personal list

You can edit a personal list by using:

- The "Set list" window: After choosing your list to edit, click on "Add securities" and select your instruments to add to the list; To delete securities, select your instruments and click on "Delete selected securities from list".

- A list: Right-click on your selected security in a current list, and select "Add to list". From here, select the list to which you wish to add the instrument. To do the opposite, select "Delete from list" from the same popup menu and choose the list from which you want to delete it. This is a useful way to add a security to your list from a market scan for example.

- A chart: Right-click on an empty space on your chart, and select "Add to list" or "Delete from list", as shown in the image below.

Delete a personal list

1. Click on "Set list"
2. Select the list to be deleted from the dropdown menu
3. Click on "Delete list"
Instrument search

Quick search

To execute a quick search, click on the search bar in the main window and type the name, ISIN code or ticker symbol into the field. As you type, the closest results will appear below the search field. Click on a result to show the related chart.

If the search bar does not appear in your main window, go to the "Main Window" section to see how to display it.
If the instrument you are searching for does not appear in the proposed results as shown above, click on the icon (highlighted below) to launch an advanced search. This function is also available in the "Display" menu in the main window.

Searches can be executed by keywords or my market.

**Keyword search**

Using the Keyword search function lets you search:

- Through the full instrument database available in ProRealTime
- Or in a specific market or market segment (ex: NASDAQ equities, or London Stock Exchange)

To execute a search, enter the name of the instrument to search for and enter the market or market segment in which you wish to search.
Search by market

The "Search by market" function allows you to search through an exhaustive list of instruments available through ProRealTime by using one or more criteria. You can limit your search to a country, a market segment or by the instrument's first letter.

For example, if you want to search through the French equities, choose "France" in the left hand dropdown menu, and "All stocks" in the center menu.

You can also search through the Dow Jones indices by choosing "Indices" from the left hand dropdown menu, and "Dow Jones" in the center menu.
The above image shows how to access the full list of French equities, or the full list of Dow Jones indices.

Display a chart from the advanced search window

- Click on the icon to display the instrument as an unlinked chart.
- Click directly on the name of the instrument to change the instrument of linked charts to the selected instrument. If no linked chart is currently open, this action will open a new linked chart.

Learn more about linked charts
Indicators & price

Indicators

The button in the upper-right of charts lets you:
- access over 100 technical analysis indicators available by default in the platform
- create, import and export personal indicators

Learn more about creating personal indicators
Learn more about exporting indicators

Display and configure an indicator

To display an indicator:
- Click the button
- From the "Indicators" tab, select the indicator of your choice in the list
- You can also search for an indicator by entering its name in the "filter indicators" search bar
- Confirm by clicking "Add" to add it to the chart
Once the indicator has been added to the chart, its properties window opens automatically. In the properties window, you can modify:

- the colors and color zones of the indicator's components
- the thickness of each component
- the style (continuous or dotted line, histogram, points, etc...)
- the variables used in the indicator's calculation (ex: number of periods)
- the settings of each indicator such as the calculation formula used (for moving averages: simple, weighted, wilder, zero lag, etc...), or the type of price to use for the calculation (ex: close, open, high, low, total, etc...)

From the "Indicators" tab, select the indicator of your choice in the list.
Note that once you have configured the indicator, you can check the box “Set as default configuration for this indicator” box to memorize these parameters for the next time you add the indicator to a chart.

You can display the properties window again at any time by clicking on the wrench icon in the label of each indicator as shown in the image above.

Predefined indicators with the mention "(on price)" will be displayed directly in the price panel. Other indicators will be displayed in separate panels.
Display an indicator on another indicator

As discussed above, certain indicators are displayed in the price panel. It's also possible to add indicators on other indicators. To do this:

- Click the icon of the indicator to display its properties
- Click the dropdown menu "Add" to access the list of indicators which may be displayed on other indicators (or on price)
- Select an indicator in the list. It will be added on the chart of the "main indicator".
Move and resize indicator panels

Each indicator panel has a label which contains the following:

- Name of the indicator (if the panel has several indicators, the name of the main indicator will be shown)
- 🔗 lets you access the Properties window of the indicator
lets you maximize or minimize the indicator panel in the charting window (this indicator will temporarily cover the other panels in this case. To restore the indicator panel to its original size, click the icon which will appear when the panel is maximized.
You can increase or decrease the height of indicator panels and modify their display order in the chart.

To enlarge or reduce the size of an indicator:
1. Place your cursor on the horizontal line separating the top of one panel from the panel above it
2. Click and hold the left mouse button
3. Move your mouse up or down and let go once the panel is the desired size

To modify the display order of your indicators, use the Swap feature:
1. Place your cursor on the title of the indicator you want to move
2. Click and hold the left mouse button
3. Move the mouse up or down until the rectangle displayed below appears, then release to swap the positions of the two indicators as shown below.
Favorite indicators

In the "Indicators ..." window, you can now choose favorite indicators. Once an indicator has been marked as favorite, you can access it quickly from your charts.
Price

Price chart styles

ProRealTime offers a large selection of chart styles that you can choose by clicking the icon.

Here is the list of styles available:

Time-based chart styles:
- Candlesticks
- Bar charts
- Heikin-Ashi
- Histogram
Chart styles based on price movements:

- Mountain
- Lines (continuous lines, dotted lines, points, line and points...)
- Point and figure
- Kagi
- Three line break
- Renko
Range bars and range candles

Chart styles based on volume:
- CandleVolume
- EquiVolume

Optional chart style:
Market Profile is available as an optional module and is not available in all versions of the platform.
Price style customization

The price styles are customizable from the price settings window which can be opened with the icon.

For most styles, you can modify:

- The color of the price for increasing and decreasing values
- The thickness of candlesticks, lines and boxes
- The data on which the price chart is calculated
- The type of scale (linear, logarithmic, % relative)
- The display of the last price on the vertical axis

Available options depend on the price style selected. Here are some examples:
Note that if the last price of the chart style is different from the last real price quoted (e.g., Heikin-Ashi chart), both values are displayed on the price axis with the last real price in yellow (see the zone highlighted above).

Types of price scales

The images below show examples of linear, logarithmic, and relative which can be chosen from the price settings window.

**Linear price scale**

Linear price scale is a standard price scale where the distance between two points shows the change in price between those two points. This is the most commonly used type of scale. Example: the distance between 10 and 20 will be the same as the distance between 20 and 30.

**Logarithmic scale**

Logarithmic scale will show an equal distance between two points if the % difference between them is the same. Example: the distance between 10 and 20 will be the same as the distance between 20 and 40 (100% difference). This type of scale is useful for analyzing price changes.

**Relative scale**

Relative scale shows the vertical scale relative to a “reference price”. This scale can be displayed in %, base
100 or in Price. If for example we define the reference price as September 04 2011 for a relative % scale, all subsequent and previous values of price will be expressed as a percent variation from the price at that date and time.
Objects

Drawing introduction

This section will show you three different examples on the usage of the drawing interface. Please refer to the section "Drawing tools" to read a complete overview of the drawing tools available.

Drawing lines

You can draw support, resistance and channel lines. To do so, select the appropriate drawing tool among the icons in the main window displayed below. Left-click to define the first point of your line. Move the mouse cursor and click again on the left button to define the second point of the line. The line will be drawn automatically.

Adding comments

Comments can be added to a chart using the icon displayed above.

Modify objects

Right-click on a drawn object to modify a drawn object or comment and choose "Configure" to change its parameters, or use the modify tool outlined in blue above.
The following guide will help you learn to use the most commonly used drawing tools. Additional tools may also be added to your toolbar as described at the end of this page.

**Tip:** Clicking on the right button of the mouse while using any tool described in this section will cancel the last action. This is useful when you click on the chart by mistake, having previously clicked on a tool icon.

### A. Cursor Mode (Default Mode)

The icon corresponds to the Cursor Standard Mode, which is selected by default. Left-click anywhere in the chart, hold it down and move your cursor. The chart will display different sections of the chart along the horizontal and vertical scales.

### B. Ruler

The icon lets you draw a ruler on your chart. The ruler is useful to measure the distance between two points on the chart. Horizontally, it measures the distance in number of bars and also the amount of time passed. Vertically, it measures the distance in tick sizes and in percent.

### C. Create an Alert

The icon allows you to create an Alert. Click on the "bell" and then in the chart displaying the security upon which the Alert will be set. Please refer to the section "Create Alerts" for details.

### D. Zooming into the chart

The icon is the zoom button. Left-click to set the first date of the time period which you wish to zoom. Move the mouse and click again on the left button to set the second date. Note that on a zoomed view, you can use the horizontal scroll bar at the bottom of the chart to see quotes from previous or later dates with the same zoomed view.

### E. Drawing a segment or a line

The icon allows you to draw segments. Left-click on the chart area where you intend to set the first point of your segment. Next, move the mouse cursor and left-click again to set the second point of the segment. The segment will then be drawn automatically.

The icon allows you to draw lines. The method to draw lines is similar to the method of segment drawing. Left-click to define the starting and end point of your line.

The icon allows you to draw horizontal lines.

The icon allows you to draw vertical lines.

**Tip:** The platform can help you draw precise lines with drawing assistance.

Go to the menu "Options" and make sure "Drawing assistance" is checked. Each time you place the mouse cursor near a specific point in the chart (high, close, open) or near an indicator specific point (Bollinger, oscillator..), this point will automatically be the starting point of your line. The Drawing assistance will help you...
to find the second point of your line.

F. Drawing Fibonacci lines

Select the Fibonacci levels icon and click with the left button on two points in the chart to define the two extreme points of the Fibonacci levels. A series of horizontal lines are drawn at the Fibonacci levels of 0.0%, 23.6%, 38.2%, 50%, 61.8% and 100% of the trendline.

Fibonacci levels can be customized using the "Properties" feature, accessible in the toolbar of the main window by clicking on this icon: The lines will keep their previously existing levels even as you modify the vertical scale.

G. Typing text

Clicking on the icon allows you to add text on the charts. Once the icon is pressed, you can click anywhere on the charts to type your text. A window will automatically open, allowing you to select the text's font, size, style and color. Click on Close to confirm your choice.

Bear in mind that you can modify the place in which the text is situated (refer to paragraph H) and the style options of the text (refer to paragraph J).

H. Moving an object

The allows you to move an object or text displayed on your chart. After selecting the move icon, place your cursor on the object you want to move which will be shown In blue. Left-click on it and then left click again on the new location you want to move the object to.

I. Copying an object

The icon represents two parallel lines. This button allows you to make a copy of any line, but also of any text element in your chart. Simply click on the object to copy and click anywhere else on the chart to paste the new object.

J. Changing the options of an object

The icon allows you to change the options of an object, whether it be a text element or a line. Click on the object that you want to modify, and a window opens to let you modify the characteristics of this object: style, font, size and colour for text, width, colour, style and limits for lines.

K. Deleting an object

Click on this icon first and then click on any object within your chart (text or line). The object will be deleted.

Note that the object turns to light blue when you approach it with the mouse cursor, indicating that you can already click with your left mouse button to delete it.
Main window settings

You can add additional tools to your toolbar by right-clicking on it with your mouse and selecting “Main window settings”.

From this window, you can add additional drawing tools which can be used similarly to the others described in this page.
Trading

Place orders

The trading interface in ProRealTime allows you to place orders from a variety of windows.

Place orders from charts

The quickest way to place orders is directly from charts. Two types of interfaces are available:

- a quick access interface in which the most common order types are all simultaneously available from the top of the chart with optional associated targets and stops

  ![Quick access interface](image)

  **Learn more about the quick access interface**

- an advanced interface which lets you create your own order templates with more order types and more flexibility. One order type at a time is available from the top of the chart in this mode and you can change order types using the dropdown menu.

  ![Advanced interface](image)

  **Learn more about the advanced interface**

In either case, click the order icon, then click on the chart to place orders. Orders and positions will be shown directly on the chart.
Place orders from the order book

You can place orders directly from the order book window. All orders placed will be shown in the order book, in the charts and in the order list. Order placement is slightly different depending on the format of order book you choose to display.
The prices are listed in the center of the window, the bid quantities are listed in the "Buy" column, the ask quantities are listed in the "Sell" column.

To place your order, first define the quantity of the order in the lower-left part of the window, then click in the "buy" or "sell" column to place your order on the price of your choice (as shown in the image).

It is also possible to activate a mode where limit orders can be placed in all four areas mentioned above from the order book settings window which can be opened with this icon:

You can link a stop and target to your order which by ticking the corresponding boxes at the bottom of the window.
In horizontal format, the bid prices are displayed on the left and the ask prices on the right. In this mode you need to select the type of order you want to place (Limit or Stop) using the options in the lower-left corner. Then click on the price where you want to place the limit or stop order.

### Best Bid / Ask Format

In Bid/ask format, buy and sell at market buttons are displayed with bid and ask prices. You can place "At Market" orders by clicking on the red and green buttons.

This style is best for Forex and securities where only bid/ask prices are available without market depth.
Customization:

Most options can be configured by clicking the icon. The size and style of the bid/ask information displayed in "Market" buttons can be set by going to the "Options" menu and choosing "Fonts".

**Associate orders to Alerts**

From the ProRealTime Main Window, click to activate Alert mode. Move the cursor to the chart or near to a specific object drawn and click: the Alert Settings window appears.

First define the conditions composing your Alert, by using the drop-down menus proposed. Then check the "Associate Order" box:

- Choose Buy or Sell if the conditions are met
- Choose the quantity of the order

Every order associated to an Alert is an "At market" order, that will be placed only if the conditions are met and the Alert is triggered. This functionality can be used to create orders based on indicators and to create an order based on multiple conditions.

Orders associated to Alerts will be deleted if they have not been executed when you close the platform.

**Place orders from lists and order tickets**

The buy icon and the sell icon can be displayed in most ProRealTime windows, such as:

- Price charts
Click on one of these icons to open the order ticket:

Place your order by choosing "Buy" or "Sell", the validity and the order type and entering the price of the order and validate with "OK".

You can also create an order composed of two or three legs. Click on the "Multiple-leg order" button and a new window will give you three choices illustrated in the image below.
Select a Multiple-leg type and click OK. The "New Order" window will then include two or three tabs (depending on the option chosen): configure each leg separately and confirm with "OK".

The "New Order" window offers the same options available for "order templates", in the "Advanced interface" with the following differences:

- Order settings placed with the order ticket are not saved for later use
- Orders are placed by typing in the price level (instead of clicking on the chart)

**Order modification**

You can modify order prices from the chart by clicking on the arrow icon shown below, moving your mouse and clicking on a new price level:

Learn more about the order types available
You can also click the price or quantity of the order in the tab and click or type a new or price or quantity in the box that appears:
Closing positions and canceling orders

The easiest way to close a position or cancel an individual order is to click on the red cross icon of the position or the order(s). These are available in several locations such as charts, portfolios and order list.

Remember that if you cancel an order that is linked to another order by OCO (OCO) or OTO (OTO), the linked order will also be canceled. You can always check the status of your orders in the Order List window.

**Cancel all orders on a given security:** You can close all pending orders on a security simultaneously by using the red cross next to "Pending orders" at the top of the chart.

**Cancel all orders on all securities:** the order list includes a red cross at the top of the window to allow you to quickly cancel all pending orders on all securities simultaneously.

Learn more about the Portfolio and Order list
Quick access interface

This type of interface lets you place the following types of orders:

- At Market
- Limit (horizontal and oblique)
- Stop (horizontal and oblique)
- Triple orders (with target and stops a fixed distance from the main order)

Quantity

You can set the quantity of the order by modifying the number in the "Qty" box.

At market orders

- Click on \[9.22.5\] to place a SELL market order.
- Click on \[9.23.5\] to place a BUY market order.

Horizontal limit and stop orders (fixed price)

Click on underneath "Limit" to place a horizontal limit order or underneath "Stop" to place the type of order chosen at a fixed price level. Next, move the cursor to the chart and click on the price level of your choice. Limit orders will be buy if below price and sell if above price. Stop orders will be buy if above price and sell if below price.

Linked target and stop orders

Check the "S" box to link a stop loss order to a market order or horizontal limit or stop order.
Check the “T” box to link a target limit order to a market order or horizontal limit or stop order.

The number next to the boxes mentioned above lets you set the distance of the Stop loss and target Limit order from the main order in:
- points / contract for futures
- pips / lot for forex
- % for stocks

**Trailing stop orders**
If a trailing stop has been chosen in the "possibility to link an order to" section of the options menu (as shown in the image of the options menu below), you can check the “tS” box to link a trailing stop order to a market order or horizontal limit or stop order:

Click on to choose the "Trailing stop" order type. Next, move the cursor to the chart and click on the price level of your choice to place the order.

**Oblique limit and stop orders (evolving price)**
Click on underneath "Limit" to set a limit order with an evolving price level or underneath "Stop" to set a stop order with an evolving price level. Then, draw the line on the chart:
- Click to define the first point of the oblique line
- Click on the second point to create the line.

Note: If you quit the platform a pending oblique order, the platform will warn you that orders of this type will be canceled.
Customization of the order interface

Click on the icon to customize the order interface.

You can choose type types of orders displayed in the quick access interface and set the validity of orders placed with this interface or switch to the advanced interface.
Advanced interface

The advanced interface displays one type of order on the chart at a time but offers more order types and additional flexibility when placing your linked target and stop orders compared to the quick access interface.

To place the order, click on the button to the right of the quantity selector ("Qty"), then click on the chart. The type of button displayed depends on the type of order template you have selected (example: three lines for a three-part order, two lines for a two-part order).
Create and modify order templates

Several predefined order templates have been created for you in the advanced interface. You can view or modify their properties and create new ones by clicking on the button.

Click "New order template" if you want to create a new template, give it a name and click "OK". The boxes to the right of the order name let you define its properties.

**Size:** lets you choose the quantity of the order or cash amount (for the instrument type "Others" only). If you choose a size in cash amount, the quantity will be automatically set for the order as the maximum quantity that you can afford with the cash amount specified.

**Valid until:** lets you define the validity of the order. Note: if you choose "End of Day", for Forex, the end of the current day is considered to be midnight GMT.

**Type:** Lets you choose the type of the main order. Notably, the following order types are only available in the advanced interface: Stop with limit protection, At Market if touched.

**Multiple-leg order:** Lets you choose to link your order to one or more additional orders.

You can choose between two different options:

- **One CANCELS the Other (Leg1 or Leg2)**

If either the first order OR the second order is executed, the other order is canceled. From the drop-down menu, you can select the order type you wish to define for Leg2. Both of these orders will be placed by clicking on the chart. One cancels the other orders are only available in the advanced interface.
**Leg1 ENABLES:**

Defines an order composed with one or two additional linked orders. When the first order is executed, the linked orders are set.

**Linked Target order (TAKE PROFIT)**

To set a linked target order (Limit), activate the check box “Target order (TAKE PROFIT) and the following window appears. By default this limit will have its price level defined by clicking on the chart. You can click and a new window will allow you to set its parameters:

Name: Lets you name and set an abbreviation for the target. These are set when the target is created.

Set target: Lets you define how you want to place the target. You have choice between placing the target by clicking on the chart for each order or manually choosing a preset distance from the main order (like in the quick access interface). The amount will automatically be expressed in the units of the corresponding security type (cash for stocks, points for futures and pips for Forex).

Click “OK” to save the target order. The target order can be modified at any time by clicking on the related wrench icon and will be available for later use, even in other multiple-leg order templates. You can also create additional linked target orders or delete them by using the “+” and “-” buttons in the advanced interface configuration window.

**Linked Protection order (STOP)**

Trading V 20150922 www.prorealtime.com 82/194
To set a protection stop order, check the box “Stop order” and the following window appears. By default, this stop will have its price level defined by clicking on the chart. You can click and a new window will allow you to set its parameters:

Name: Lets you name and set an abbreviation for the stop. These are set when the order is created.

Set protection: define how you want to place the protection stop. The options are the same as for a target order.

Type: depending on the option selected above, this section will show the order types available. The options proposed vary depending on the security type and the method of setting the protection stop (“By clicking on chart” or “Manually as”).

The protection stop order can be modified at any time by clicking on the related wrench icon and will be available for later use, even for other Multiple-leg order templates. You can also create additional linked protection stop orders or delete them by using the “+” and “-” buttons in the advanced interface configuration window.
Place an order using the advanced interface

Available order templates are shown in the advanced order interface toolbar (see image below).

To place an order, (1) click on the first drop-down menu and select the Order Template you wish to use. (2) If necessary, you can modify the volume associated to your order from rectangle. (3) Select one of the icons on the right and simply place the order by clicking on chart.

Depending on the settings of the Order Template created, different icons may be available.

"At market" orders:

- Click on \[\text{SELL market order}\] to place a SELL market order.
- Click on \[\text{BUY market order}\] to place a BUY market order.

In the advanced interface mode, you can link target & stop orders to your market order by checking the "T" and "S" boxes in the same way as with the quick access interface.

Horizontal orders (fixed price level)

Click on the "horizontal limit" button to place a limit order at a fixed price level or on the "horizontal stop" button to place a stop order at a fixed price level. Next, move the cursor to the chart and click on the price level of your choice.

Multiple-leg orders

Click on \[\text{multiple-leg order}\] to place a multiple-leg order.

- Click on the first price level to place the Leg 1 order
- Click a second time to place Leg 2
- Click a third time to place Leg 3 (if applicable)

Trailing stop orders

Click on \[\text{set a "Trailing stop"}\] to place a "Trailing stop". Next, move the cursor to the chart and click on the price level of your choice to place the order.

Oblique limit and stop orders (evolving price)

Click on the "oblique limit" button to set a limit order with an evolving price level or on the "oblique stop" button to set a stop order with an evolving price level. Then, draw the line on the chart:

- Click to define the first point of the oblique line
- Click on the second point to create the line

Note: Oblique orders are "Soft orders" which are stored in the software. If you quit the platform without an order of this type being executed, the platform will warn you that orders of this type will be canceled.
Order display

Display of pending orders and open positions on charts

Orders, positions and trading information can be displayed directly on charts in ProRealTime.

- **Pending orders** are represented by red lines for sell orders or green lines for buy orders.
- **Open positions** are represented by thick blue lines at the level of the average price of the position (useful for cumulated positions)

![Order display image](image)

On the left side of each order line, a tab illustrates the most important information concerning the order or position:

**For positions:**
- **Color:** The upper part of the tab is colored green for a long position and red for a short position. The lower part is colored green if the position has a latent gain and red if it has a latent loss.
- **Quantity and average price:** The upper part of the position tab shows quantity@average price.
- **Gain or loss in tick size:** The lower part of the position tab shows the gain or loss in terms of tick size.
- **Red cross:** Lets you close the position

**For pending orders:**
- **Color:** Buy orders will be displayed in green, sell orders will be displayed in red.
- **Volume & price:** shown as quantity at (@) the current price level for a pending order. The price level of oblique orders and trailing stops can change.
- **The eye** shows the order's status:
  - The order is server-based and may be processed even when your platform is closed.
  - The order is stored in the software only and can not be executed when the platform is closed (a warning will be displayed when you close the platform if soft orders are pending). This only applies to a few types of orders (ex: orders based on Alerts or oblique lines).
- **Order type and direction**
- **Validity:** The end-point of an order shows its validity - orders that extend infinitely into the future have a GTC validity while orders whose lines stop at the end of the day or a specific date are valid until that point.
**Modify:** The icon ![icon](image) allows you to modify the price level of a pending order. Click on the icon and the line will follow the cursor of the mouse until you click a second time. The order will be set at the new price level, while the other settings remain unchanged.

It is also possible to modify an order by right-clicking on the line and selecting the "Modify" option. A new window (see image below) will allow you to modify the pending order.

**Order history on charts**

You can view your recent executed orders on charts by adding the indicator "Recent executed orders".

- Entry orders are displayed with ![up arrow] or ![down arrow]
- Exit orders are displayed with ![cross] or ![cross]
- If several orders are displayed on a single bar, you can view a lower timeframe to see more details.
Order types

This section describes the types of orders available in ProRealTime.

Simple orders

- **At market order**
  
  An "At Market" order, is an order to buy or sell at the current market price (with no price limit). It may be executed as long as there is sufficient quantity available to buy or sell.
  
  An "At Market" order may be the object of multiple partial executions, depending on market possibilities.

- **Limit order**
  
  A Limit order specifies the maximum price at which you agree to buy the securities or the minimum price at which you agree to sell them.
  
  Limit orders placed by clicking on charts will be buy orders if placed below last price and sell orders if placed above last price. If you want to place a buy limit above price or a sell limit below price, this can be done via the order book or order tickets.
  
  Example: For a Limit order with a price of 16€, the order may be executed at the best price available at or below the 16€ price level, represented by the green shaded area.

- **Stop order**
  
  Stop orders may be executed if the market reaches or passes the price level of the order. If the market trades at or beyond the trigger price, the order is triggered as an "At Market" order: it is filled at the best price available, but not necessarily at the stop price.
  
  Example: for stop orders placed at 16€, the order will be triggered only if price reaches or passes the price level, but could be executed at a price above or below the stop as shown below.
At Market if touched orders are only available from the executed as "At Market" orders if the market trades at the price of the line on which the order is based.

"At Market if touched" orders will be sell orders if placed above the current price, or buy orders if placed below the current market price.

"At market if touched" orders are available only from the "Advanced interface".

- **Trailing Stop (fixed or percentage)**

Trailing stops are set at a specific distance (fixed or percentage) from the market price (or from the entry price of your position).

In the case of a sell stop placed below price, if the market price rises, the trailing stop level moves up, to keep the distance originally set. If the traded price goes down, the stop stays at the same level. The order is executed as an "At Market" order if the trailing stop is triggered.

---

**Multiple-leg orders**

The trading module lets you link orders. In this section we describe some classic examples of linked orders. In the workstation, these are called "Multiple-Leg orders". This section presents some classic examples of multiple-leg orders, but remember that you can also use them for pyramiding and other strategies. Using the advanced interface, you can create your own customized multiple-leg orders.

- **One cancels the other (OCO)**

An OCO composed of two separate orders linked together by OR logic association. If one order is completely executed, the other order is canceled.

Example: If you already have an open position, an OCO order can be used to place a target and stop. In the image below, there is an open position open at 16.95€. An OCO order is used to place a sell Limit target order at 17.05 and a sell Stop protection order at 16.90. When one of the two is executed, the other will be canceled.
One enables the others (OTO)

An OTO is composed of a main order and one or two subordinate orders. When the main order is completely executed, the subordinated orders are placed. It is usually composed of a main order that opens a position, a target Limit order and a protection Stop.

Example: We create a strategy composed of a primary order at a limit price of 16.85€, a target Limit order at 16.95€ and a protection Trailing Stop at 16.80€. If the main order is triggered, the two subordinate orders are set.
Portfolios & order list

Trading information on chart

Important information related to your trading activity is displayed directly on top of your charts (such as portfolio value, today’s gain, etc). For information about how to configure this, check the trading options section.

Note that the red cross icons next to “Pending orders” and “Positions” will let you quickly close any pending orders and positions manually opened on this security.

Portfolios

The Portfolios window gives an exhaustive overview of the your trading activity and lets you manage all of your open positions from one window. To open this window, select “Portfolios” from the “Trading” menu.

The Portfolios window is composed of:

- The top section showing your account number or portfolio name
- The middle section showing an overview of your performance
- The bottom section showing open positions and securities on which you executed orders during the current day

You can customize the columns to be shown in the middle section of the window. You have a choice among the following:
- **Latent gain**: gain or loss for currently open positions
- **Gain today**: gain or loss cumulated since the beginning of the current day
- **+/− Security types**: latent gain for different security types (ex: +/- Forex)

You can also customize the columns in the bottom section of the window.

The following columns are available:
- **Qty**: Quantity of open position
- **%Latent P**: Latent gain in % of the position
- **Unit cost**: average cost per share or contract (useful in case of pyramiding)
- **Total cost**: acquisition cost of the position (Quantity * Acquisition price per unit)
- **Today buy**: number of shares or contracts bought today
- **Today sell**: number of shares or contracts sold today
- **Pending buy**: number of shares (or contracts) awaiting to be bought
- **Pending sell**: number of shares (or contracts) awaiting to be sold

The gain, loss and cost figures mentioned above do not include transaction fees.
Order List

From the "Trading" menu in the main ProRealTime window, you can access the "Order List" window where you can track and manage your orders on all securities from a single window.

The window is split into different tabs which show the types of orders corresponding to their titles shown above.

The following order management tools are included in the window:

- Click the red cross icon at the top of the window to cancel all pending orders or click the red cross in the line of a specific order to cancel that pending order (this icon is greyed for orders that have already been canceled or executed)
- Click this icon to change the price or quantity of a pending order
- Click this icon to display the order status history
- or shows whether the order is server-based (open eye) or platform-based (closed eye). Platform-based orders will be deleted if not executed when you exit the platform (and a warning message will be shown in this case).

The following columns are available:

<table>
<thead>
<tr>
<th>Date</th>
<th>Ticker</th>
<th>Type</th>
<th>Qty</th>
<th>Price</th>
<th>Gain</th>
<th>Pos Chg</th>
</tr>
</thead>
<tbody>
<tr>
<td>11:34:20</td>
<td>DAX0614</td>
<td>At market</td>
<td>-1</td>
<td>9,472.00</td>
<td>500.00€</td>
<td>4 =&gt; 0</td>
</tr>
<tr>
<td>08:25:18</td>
<td>DAX0614</td>
<td>At market</td>
<td>1</td>
<td>9,441.50</td>
<td>0 =&gt; 1</td>
<td></td>
</tr>
<tr>
<td>09:24:34</td>
<td>DAX0614</td>
<td>At market</td>
<td>1</td>
<td>9,436.30</td>
<td>-612.50€</td>
<td>1 =&gt; 0</td>
</tr>
<tr>
<td>06:42:42</td>
<td>DAX0614</td>
<td>At market</td>
<td>1</td>
<td>9,459.50</td>
<td>0 =&gt; 1</td>
<td></td>
</tr>
<tr>
<td>26 Mar, 18:01:54</td>
<td>AAPL</td>
<td>Stop</td>
<td>-20</td>
<td>543.59$</td>
<td>-100.20$</td>
<td>20 =&gt; 0</td>
</tr>
<tr>
<td>26 Mar, 15:40:06</td>
<td>DAX0614</td>
<td>Trailing stop</td>
<td>1M</td>
<td>1,379.06</td>
<td>200.00€</td>
<td>-1M =&gt; 0</td>
</tr>
<tr>
<td>26 Mar, 14:46:23</td>
<td>ELRUSD</td>
<td>Trailing stop</td>
<td>1M</td>
<td>4,469.06</td>
<td>75.00€</td>
<td>1 =&gt; 0</td>
</tr>
<tr>
<td>26 Mar, 14:46:14</td>
<td>DAX0614</td>
<td>Stop</td>
<td>-20</td>
<td>546.69$</td>
<td>-100.20$</td>
<td>20 =&gt; 0</td>
</tr>
<tr>
<td>26 Mar, 14:44:37</td>
<td>CS</td>
<td>At market</td>
<td>-1.5K</td>
<td>19,025€</td>
<td>0 =&gt; -1.5K</td>
<td></td>
</tr>
<tr>
<td>26 Mar, 10:42:32</td>
<td>AAPL</td>
<td>At market</td>
<td>20</td>
<td>548.69$</td>
<td>0 =&gt; 20</td>
<td></td>
</tr>
<tr>
<td>26 Mar, 15:41:52</td>
<td>DAX0614</td>
<td>At market</td>
<td>1</td>
<td>9,484.00</td>
<td>0 =&gt; 1</td>
<td></td>
</tr>
</tbody>
</table>
- **Side**: Buy or sell
- **Qty**: Order quantity
- **Qty Exec**: Quantity executed
- **Price**: Execution price of the order or average execution price if the order was executed at multiple price levels
- **Status**: Order status
- **Type**: Order type
- **Gain**: Shows the gain or loss generated by the order if applicable
- **Pos. Chg**: Displays the quantity of the position before and after the order. For example, if you open a new position with 100 shares "Pos. Chg" will display "0=>100".
- **Limit**: Limit price of the order (if applicable)
- **Stop**: Stop price of the order (if applicable)
- **Trail.stop**: Distance of trailing stop (in tick sizes)
- **%Trail.stop**: Percent of the trailing stop in % if applicable (ex: 2%)
- **%Gap**: % Gap between order price and last price
- **Order ID**: ID number of the order
- **Portfolio**: Name of the portfolio
Trading options

To configure trading options go to the “Trading” menu and choose “Preferences”. Two options are available: Trading preferences and Display preferences.

Trading preferences

In this menu, you can select whether you want to get a popup window every time one of your orders changes status (for example: is executed, modified or canceled). If you set this option to “never”, you can check your order’s status directly on charts, in the order list and in the portfolio window.

You can also set up sounds when one of your orders changes status.

Display preferences

The display preferences window lets you:

- Display or hide your trading information on charts and order books by checking or unchecking the relevant boxes
- Choose not to show your positions and pending orders if the order interface is hidden (the next section shows how to hide or display it)
- Display or hide trading icons in list windows (such as "Lists", "ProScreener" or "Top Movers")
- Choose between a straight or curved line style for pending orders displayed on charts
Display or hide the order interface on charts

The trading interface may be displayed or hidden by clicking on the icons shown below.

Click here to hide the trading interface

Click here to display the trading interface
Order Book

Accessing the order book

Open the order book from a search
To open the order book from an instrument search, enter the name or code of the instrument you are searching for in the search bar, then click the order book button highlighted below.

If the highlighted button does not appear in your main window, you can add it by right-clicking on the toolbar and choosing "Main window settings".

Open the order book from a chart
To open an order book from a chart, click the "Order book" at the bottom-left of the window or right-click on an empty zone of the chart and selecting "Open order book". These options will be unavailable if no order book data is available for the security in the chart.
Order book configuration

Related help videos
- Order book configuration
- All help videos

Quick configuration bar
The lower toolbar of the order book lets you quickly configure several options:

- Change between vertical, horizontal and best bid/ask mode
- Add a protection stop and/or profit target to your order
- Open the order book settings window
- Set the quantity of the order
- Link the order book to a group of charts
Order book settings

The following settings can be configured from the order book settings window:

- **Default values:**
  - Quantity: 1
  - Stop: 10 pips/contract
  - Target: 10 pips/contract

- **Display:**
  - Choose between a Vertical, Best bid/ask and horizontal format.
  - Columns:
    - Quantity: displays the bid and ask quantities.
    - Qty histogram: displays bid and ask quantities in histogram format.

- **Options:**
  - Buy/sell market buttons
  - Order type in B/S box
  - Bid/Ask ratio bar
  - Display prices between best bid/ask
  - Display all prices

- **Information bar:**
  - Bid/Ask Spread
  - Last Bid/Ask change time
  - Total Bid/Ask

- **Order placement:**
  - Enable buy stop orders above price and sell stop orders below price.
  - Enable buy limit orders above price and sell limit orders below price.

Learn more about trading with the order book
- **Executed qty per price level**: displays a column showing the quantity of executed orders at different price levels.
- **Executed qty histogram**: displays executed quantities at different price levels in histogram format.
- **Nbr orders**: displays the number of orders at each price level (information only available for certain markets).
- **My orders**: displays type and quantity of your orders.
- **Qty and type columns**: Adds two columns containing labels showing the type and quantity of an order that will be placed if you click in the buy or sell column.
- **Display last execution >**: Adds a column showing the quantity of the last executed order only if it is greater than or equal to the number chosen.

### Options
- **Show buy/sell at market buttons**: displays or hides buttons to place market orders.
- **Order type in B/S box**: when this box is checked, the order type will be displayed when you place your mouse in the buy or sell column.
- **Bid/Ask ratio bar**: displays a bar showing the ratio of bid orders (green part of the bar) to ask orders (red part of the bar). This can be a visual indicator of buying pressure or selling pressure.
- **Display prices between best bid/Ask**: Displays prices in between the best bid price and the best ask price in vertical mode. It does not apply in horizontal mode.
- **Display all prices**: Displays prices beyond the levels for which bid/ask information is available in the order book.
- **Bid/Ask column formatting**: Enables formatting of the best bid/ask prices (for example larger fonts). This can be configured using the "Configure bid/ask display link" below.
- **Color position price line**: Colors the price of any order book line on which you have an open position.
- **Color last execution**: Colors the "last execution" column depending on whether the last executed price was an increase or decrease from the previous executed price.
- **Enable flickering on all prices**: enables the list flickering settings on all prices in the order book. List flickering settings can be set from the "Options" menu > "Template options" > "General"
- **Display high/low lines**: Shows a bold line in the order book above the highest price executed today and below the lowest price executed today.

### Information bar
- **Bid/ask spread**: shows spread between the best bid and the best ask price in the information bar at the bottom of the window.
- **Last bid/ask change time**: shows the last time the bid or ask price was updated.
- **Total Bid/Ask**: shows the total bid quantity and total ask quantity.
- **Executed qty today**: shows the total quantity executed today.

### Order placement
The options in this section only apply to vertical mode.
- In the default mode, you can place buy stop orders above price and sell stop orders below price.
- Choosing the second option lets you place buy limit orders above price and sell limit orders below price.

In both cases, you can place buy limit orders below price and sell limit orders above price.

Note that in horizontal mode, you choose whether your orders are limit or stop orders directly in the order book window by checking the "limit" or "stop" options.

### Order book window sizes and fonts
The amount of space taken by the order book may be reduced in several ways:
To configure the fonts in the order book, go to the "Fonts" section of the "Options" menu.

Unchecking "Bid/Ask column formatting" will reduce the size of the best bid/ask line which can be larger if this option is checked.

Unchecking the "Show buy/sell at market buttons" option will also save significant space.

Using the vertical mode allows you to make a narrower window while the horizontal mode lets you make a shorter window with the same number of lines displayed. The smallest mode is the best bid/ask mode where only best bid & ask prices are displayed.
To open the Tick by Tick window, you can either click on the "Tick" icon as shown below (number 1) or right-click on a charting window of the security to launch the menu shown below and select "Tick by tick list..." (number 2). You may then click on a headline to sort the Tick by Tick list (Time, Price or Volume).
Security information

Click the wrench icon at the bottom-right to open the properties of the tick by tick list. You can choose to display security information and choose between a horizontal or vertical presentation.
ProRealTrend

Display horizontal support and resistance lines

Click on the horizontal ProRealTrend icon to display the following levels:

- Major horizontal support and resistance lines
- Intermediate horizontal support and resistance lines
- Minor horizontal support and resistance lines

These horizontal levels are available in end of day views. Extra horizontal lines are available in intraday views and (x)ticks with real-time enabled accounts.

ProRealTrend lines are automatically updated with the latest analysis.
Display channels and oblique support and resistance lines

Click on the oblique ProRealTrend icon to display the following levels:

- Major oblique support and resistance lines
- Minor oblique support and resistance lines

These oblique lines are available in end of day views. Extra oblique lines are available in intraday with real-time enabled accounts.

ProRealTrend lines are automatically updated with the latest analysis.
Customize any type of ProRealTrend line

ProRealTrend lines come with the powerful customization capabilities of ProRealTime objects. To customize your ProRealTrend studies, click on “ProRealTrend settings” in the “Options” menu of the main window.

You can:
- **Set the density:** amount of lines to display (low, intermediate, high)
- **Define colour, width and style** for each type of line
- **Display “Hot Zones”** close to ProRealTrend lines
- **Add a text box** to indicate the timeframe in which the line was calculated.
- **Automatically update** ProRealTrend analysis with the latest drawn lines.
Crosscheck ProRealTrend with your own studies

You can display both ProRealTrend lines and your own studies or choose to view either one of them individually.

1) To display ProRealTrend lines, just click on the corresponding ProRealTrend icons.
2) To hide or display the objects you have drawn manually, click on "Display objects" , from the "Options" menu in the main window.
Set Alerts

You can set Alerts on ProRealTrend support and resistance lines, just like you can on your own lines. Once the Alerts are set, the ProRealTrend lines become standard lines (drawn objects). Hiding ProRealTrend lines will not remove the Alerts.
With ProRealTrend Detection you scan markets and obtain the securities whose price is approaching ProRealTrend levels. The results of the scanner are updated in real-time, just like ProScreener!

Display "ProRealTrend Detection" window by clicking on "Display menu" in the main window.

You can configure the detection tool in order to fit your trading style with the criteria below:

- Market: scan entire markets
- View: monthly, weekly, daily, hour, 15 mins, 5 mins
- Proximity and breakout: major/all support and resistance channels, triangles or lines
In addition to the default indicators included in the platform, you can create your own indicators with ProBuilder and use them in charts and trading systems.

To create a new indicator, click "New Indicator". Note that in the image below, indicators created in ProBuilder language are shown in italics.

**Tip:** Learn how to take advantage of our advanced programming features step by step:

- Programming Guide - Indicators & Basic Functions (ProBuilder)
- Programming Guide - Trading Systems (ProBacktest & ProOrder)
- Programming Guide - Market Scans (ProScreener)
Personal indicators

**Accumulation**

Accumulation Distribution
Adaptive Moving Average (on price)
AdvanceDecline line
AdvanceDecline net difference
AdvanceDecline ratio

**Price**
The price represents the evolution of the stock. It can be presented in several forms (curve, bar chart, candlestick, mountain, histogram). You can modify the style of presentation by making a right click on the price. With a left click, select Properties price and choose the style of presentation.
A new window appears:

- the blue area allows you to define the name of your new indicator.
- the purple area is the programming toolbar which allows you to:
  - Cut (Ctrl + X), copy (Ctrl + C), paste (Ctrl + V)
  - Undo last action (Ctrl + Z) / Redo last action (Ctrl + Y)
  - Find / replace text (Ctrl + F)
  - Comment / Un-comment a line of code (Ctrl + R)
  - Increase / Decrease text size
  - Insert functions and view function help
  - View the programming manual
- the red area allows you to type the program of the new indicator. Note that you can click on the $f_x$ button in order to make the Functions List appear that allows you to select and use all ProBuilder functions.
- the **green** area corresponds to the parameters section. For instance, Stochastic has usually %K and %D parameters. You can create parameters of your new indicator by using the "Add" button. There is no limit to the number of parameters allowed.

When clicking on this button, a new window like the one below will appear. There you can configure the parameter in many different ways, such as:

- the label of the parameter used in the program (usually short names like "MA","b","BID"...),
- the label of the parameter displayed in the Properties window of your new indicator (for instance, "Number of days" or "Applied to" or "Period Shift" ...),
- the type of the parameter (Integer, Decimal, Boolean, ...),
- other possible restrictions

- the **yellow** area allows you to insert help text to describe your new indicator. It appears on the right side of the Indicators window as shown in the first image of this page.
Here is an example of an indicator that is available in the platform:

```plaintext
1. PEN Daily variation
2. higher = MAX(0, CLOSE - CLOSE[1])
3. lower = MAX(0, CLOSE[1] - CLOSE)
4. PEN Calculate the average of the day rising
5. PEN and the decreasing day
6. mhigher = WILDERAVERAGE[p](higher)
7. mlower = WILDERAVERAGE[p](lower)
8. PEN Calculate the RSI
9. FS = mhigher / mlower
10. And finally, the RSI
11. myRSI = 100 - 100 / (1 + ES)
12. RETURN myRSI AS "Relative Strength Index"
```
This section shows how to create, backtest and optimize an example trading system without doing any programming.

First, click on the button in the upper-right of a chart, then go to the tab "Probacktest & Automatic trading" and click "New". The following window will appear:
We are by default on an "Assisted creation" mode that allows you to create your strategy without having to write a single line of code. You can also create your own code by clicking on the label "Creation by programming" of the window displayed above.

The "Assisted creation" window is composed of several buttons (Buy, Sell, Short, Exit short) which allow you to define your buying and selling conditions. You can set stops and targets by clicking on the corresponding buttons. Finally, "Generate code" to automatically generate the code for your backtest!

Example: Let's create a strategy based on the Stochastic momentum index. We first display a simple moving average on the price and the SMI indicator.
First, click on the button. Then click “Backtesting” in the top right corner, click “New” and choose the “Buy” button to define your buying conditions. Finally, click on the SMI chart. The following window will appear:

Select “Stoch momentum 1” “Cross Over” “Signal 1”

We will now add another condition clicking on the button “Add condition”. We click this time on the price chart. The following window will appear:
Select "Price 1" ">= " "Moving average 1" and click on the "OK" button.

Let's now define how to sell the buying positions by clicking on "Sell" and then on the Stochastic chart. Choose "Stoch momentum 1" "Cross Under" "Moving average 1" and click on "OK".

Then, we set the parameters illustrated below:
To define the stop strategy, we click on “Stops & Target” and we choose the settings below:

Click on the "OK" button. The program is done, you just need to give a name to your backtest such as "Stochastic momentum" and click on "Generate code".
To perform the backtest, click "ProBacktest my system". A chart containing the equity curve of the backtest will be displayed as well as detailed report containing performance information:
You can modify the backtest to improve its results. Click on the wrench icon of the Equity curve highlighted in yellow and then on "Modify ProBacktest".
Let's create a variable instead of a fixed value for the moving average. To do so, remove the number “150” from the program and write “number” instead. Then click on the "Add button" of the field “Optimization parameters” and choose the settings below:
Finally, click on the button "ProBacktest my system". After a few seconds, you get an optimization report that gives you the values that give the best results for the historical data set examined.
To continue improving the system, you could try to add new conditions. You could also modify the type of stop used or add a profit target.

With creation by programming, you can apply far more sophisticated functions by using our Functions library which you can access by clicking on the "Insert function" button as shown below.

```
1 // Definition of code parameters
2 DEFPAAM CumulateOrders = False // Cumulating
```
A window appears with all the functions available with ProBacktest module and corresponding help text. By clicking on "Add", you can insert this function in your program at the location of the mouse cursor.
The Top Movers tool lets you quickly find the top 50 securities in a market of your choice with scans based on pre-set criteria like price variations, volume, gaps, pre-opening movement, candlestick patterns, and order book volume. To open it, go to the "Display" menu and select "Top Movers".

If you want to use fully customized scans based on your own conditions, check the ProScreener section.

The "Variations" tab lets you execute scans based on the following criteria:
- Up (largest price increase)
- Down (largest price decrease)
- Volume (units)
- Volume (cash)
- Opening gap up
- Opening gap down
- Abnormal volume

You can also choose since when (ex: Yesterday, 1-hour, 30 minutes...) and the market to scan. The available choices in the "Since" menu depend on your selected criteria.

Customizing columns

Left-clicking on the tool, outlined below in yellow, opens a small window with the list of all available columns.
When you see a table like "Top Movers", you can always left-click on the wrench icon and choose the columns to add or to delete. Selected column(s) will appear or disappear as you tick the corresponding boxes.

The data of each column is described below:

- **Last** - Last price
- **%Chg** - Percentage variation between the current price and the closing price of the day before
- **Chg** - Difference between the closing price of the current day and the closing price of the day before
- **Volume** - Volume of orders in thousands (K) or millions (M)
- **Capital** - Volume * Last price
- **Open** - Opening price of the trading day
- **High** - Highest price for the security during the trading day
- **Low** - Lowest price for the security during the trading day
- **Prev** - Closing price of the day before
- **Security** - Type of financial instrument
- **ISIN** - ISIN Code composed of 12 characters
- **Ticker** - Code composed of at least 2 characters

### Sorting columns

The items of your list can be sorted from A to Z or from Z to A for columns displaying texts and from ascending or descending order for columns displaying numbers. To switch from one order to the other, left-click on the header of the column you wish to sort.

Ex: Clicking on the header "Name" sorts the items of the list from A to Z, whereas clicking again on the header "Name" sorts the items from Z to A.
Candlestick detection

To access candlestick detection, click on the “Candlesticks” tab from the Top Movers window. This tool gives you a list of stocks within any given market where the price evolution has created the specific candlestick configuration of your choice.

In this section we explain how you may detect the most popular candlestick patterns (including either the current or the last completed one) on many different time units.

First, click on the candlesticks option to display our candlesticks Top Movers. Four drop-down menus allow you to configure it.

Left drop-down menu: Market choice

By selecting a specific stock exchange in this drop-down menu the Top Movers search will only apply on the chosen market.
Middle-left drop-down menu: Candlesticks patterns

More than 40 Candlesticks patterns are available in this drop-down menu. Please refer to Candlestick patterns for more details.

Middle-right drop-down menu: Current or Completed candlestick pattern

You can either decide to detect:

- current patterns including the latest candlestick and that should be confirmed when such latest candlestick ends. Note that a current pattern may disappear from your list at anytime, since the latest candlestick can change its shape with subsequent ticks.
- completed patterns that don't include the latest candlestick but the previous one. Such patterns will not disappear from your list as they are composed exclusively of candlesticks whose creation have been definitively ended.

Right drop-down menu: Period

Lets you choose the time scale of the candlesticks used for the detection.
In this section you will find the list of Candlestick patterns that ProRealTime can detect for you:

<table>
<thead>
<tr>
<th>Bearish Pattern</th>
<th>Bullish Pattern</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abandoned baby evening star</td>
<td>Bullish doji star</td>
</tr>
<tr>
<td>Abandoned baby morning star</td>
<td>Bullish engulfing lines</td>
</tr>
<tr>
<td>Bearish doji star</td>
<td>Bearish engulfing lines</td>
</tr>
<tr>
<td>Bearish harami</td>
<td>Bearish harami cross</td>
</tr>
<tr>
<td>Bearish harami cross</td>
<td>Black evening star</td>
</tr>
<tr>
<td>Black gravestone / inverted hammer</td>
<td>Black hanging man / hammer</td>
</tr>
<tr>
<td>Black hanging man / hammer</td>
<td>Black line without upper shadow</td>
</tr>
<tr>
<td>Black line without upper shadow</td>
<td>Black marubozu</td>
</tr>
<tr>
<td>Black morning star</td>
<td>Black marubozu</td>
</tr>
<tr>
<td>Black marubozu</td>
<td>Black morning star</td>
</tr>
<tr>
<td>Bullish engulfing lines</td>
<td>Bullish harami</td>
</tr>
<tr>
<td>Bullish harami cross</td>
<td>Bullish harami cross</td>
</tr>
</tbody>
</table>

**Candlesticks patterns**
Dark cloud cover
Doji
Doji evening star
Doji morning star
Downside gap
Downside Tasuki gap
Dragon-fly doji
Gravestone doji
Grip bottom and hammer
Grip bottom and piercing line
Grip top and dark cloud cover
Grip top and gravestone
Long black line
Long white line
Piercing line
Three black crows
Three white soldiers
Upside gap
Upside Tasuki gap
White evening star
ProScreener

Custom market scan

Tip: Learn how to take advantage of our advanced programming features step by step:
- Programming Guide - Indicators & Basic Functions (ProBuilder)
- Programming Guide - Trading Systems (ProBacktest & ProOrder)
- Programming Guide - Market Scans (ProScreener)

ProScreener is a powerful tool for Stocks and Forex markets that performs a complete market scan to identify the securities matching your searching criteria:
- In real-time, with tick-by-tick precision
- For multiple custom conditions (ex: indicators, price, candlestick patterns)
- For unique or multiple timeframes (ex: 1 minute and 1 hour)

ProScreener includes an assisted creation wizard that helps you create your scans without writing a single line of code.
Run a market scan with ProScreener

You can access ProScreener by clicking on the "Display" menu on the ProRealTime main window and then by clicking on "ProScreener" as shown below (or you can use the shortcut: CTRL+E).

The ProScreener window allows you to launch or access the market scans available in your platform (predefined or custom-created). Just click on the drop-down menu shown and select one scan from the list: ProScreener will present up to 30 best trading opportunities that match your searching criteria.

Once you get the results list, you can click on the name of a security to open the main chart with that security or click on the icon and the security will open in a separate window.

To create a market scan, click on "Set ProScreener" and then on "New ProScreener". Two programming modes will be proposed:

- **Assisted creation** is a wizard that helps you set the conditions by simply point-and-clicking on charts. Go to the [assisted creation](#) section of this manual for more information.

- **Creation by programming** allows you to create a new code by programming or to modify an existing code. You will also directly access the main ProScreener window where you can set the timeframe, set the market to scan and add a description. See some [examples of programming](#).
Assisted creation

Create a ProScreener in Assisted Creation mode

Before starting with the Assisted Creation wizard, we suggest you prepare an example chart displaying the indicators that you want to base your scan on. The security displayed does not matter, only the indicators displayed will be considered.

For example, open a chart and add the Moving Average and RSI indicators, if you are planning to create a scan whose criteria is based on the Moving Average and the RSI indicators.

Click first on the “Set ProScreener” button on the main ProScreener window, then on “New ProScreener” and select the Assisted Creation tab and follow the three steps shown and described below.

Definition of conditions

Click on the “ProScreener Conditions” button to set your scanning criteria and a new window appears (see below).
Click on "Add condition" and move the cursor to the example chart prepared: click on the section of the chart that displays the indicator of your first condition.

The wizard automatically detects the elements shown in the chart and displays them in the drop-down menus.

- Two drop-down menus display the indicators shown on the chart you clicked on.
- A drop-down menu gives the choice of the condition to set (ex: >, =, >=, ...).
- A fourth menu gives the possibility to refer to the value of the second indicator in the previous or the current period (to use more advanced criteria, see the next section of this manual).

**Example:** Scan for securities with increasing Moving Average

A Moving Average is increasing when its current value is higher than its previous value.

To set this condition, we just have to select "Moving Average" in the first menu, the symbol ">" in the second, then "Moving Average" again and "Previous period".

To create a multiple-condition scan, click on the "Add condition" and proceed in the same way: just click on the chart that contains the indicators of your interest.

A new drop-down menu appears below and gives you the possibility to set if the results of the market scan have to match all conditions or at least one condition.

Every condition set is listed in the left area of the window. To modify or delete a condition, just select its name and apply your modifications or click on the "Delete condition" button.

---

**Definition of sorting criteria**

A ProScreener can show up to 50 results; if more than 50 securities match the criteria set, the results are filtered using custom sorting criteria.

Click on "Sorting criteria" and a new window will display three "indicators" that may be used to filter and set the order of your results:

- The performance from the previous day
- The performance from the previous bar
  (if your scan runs on daily views, there is no difference between these two choices)
- The value of an indicator of your choice. In this case, you can choose the indicator in the same way you set the conditions in the section above.

Click "OK" to finish and get back to the main Assisted Creation window.

---

**Generation of code**

Click "Generate Code" to access the Creation by Programming window: the code you just generated through the wizard will be displayed automatically.

If you are not familiar with code programming, there are just three elements you may want to consider in this window (see image below).
Selection of list: define the market or the list your scan should run on.
You can choose between a predefined list or a personal list. If you want to apply ProScreener to a personal list, you need to make sure that all the securities in the personal list are part of the same market.

Selection of Period: define the timeframe in which your conditions should be verified.
The period used for the detection is important because the conditions you are looking for in one timeframe may be different in another time frame.
If you created a multi-timeframe scan, your code contains TIMEFRAME(DEFAULT). In this case, the option selected in the "Selection of period" drop-down menu will only apply for the timeframe of the first "example chart" used.

Display top 50 results: concerns the sorting criteria only. When displaying the results, ProScreener filters the securities based on the sorting criteria defined in the step two. You can choose whether you want to display the securities with:
- highest values of the sorting criteria
- lowest value of the sorting criteria

Example:
Imagine your ProScreener searches for NASDAQ stocks whose volume is higher than 20000 on a daily view. The number of results will logically exceed 50.
In your code, you can define volume as the sorting criteria and choose to display the highest 50 values of sorting criteria (which will return the securities with TOP volume first) or lowest values of sorting criteria (which will return the securities with LOWEST volume). Any result shown will meet the conditions of the screener first.
Click on "Validate Program" and your ProScreener is ready to run.
Program examples

The section "Creation by Programming" is dedicated to users who wish to program a market scan on their own. A detailed description of the commands available is included in the "ProScreener Programming Guide".

Even if you have never written code, we suggest you use the "Creation by Programming" window to improve market scans created with the ProScreener wizard. We are going to show you some examples of modifications that you will be able to do by yourself without being an expert programmer.

You can also have a look at the trading systems section of ProRealTime.com, where you can download a variety of code published by our programmers or by other members of our community.

Adapt your market scan to conditions on previous bars

Useful information before starting:

- By adding **square brackets** to a term, you can access the information of a previous bar. The current bar is [0], the previous bar is [1] and so on. See the following image:

![Diagram of a market scan with close prices and square brackets indicating previous bars](image)

Let's create a market scan that looks for securities whose Moving Average has a positive trend, meaning an increasing value of the Moving Average indicator. The ProScreener wizard also allows us to compare the current bar with the previous bar. The code is the following:

**Code**

```
indicator1 = Average[20](close)
indicator2 = Average[20](close)
c1 = (indicator1 > indicator2[1])
SCREENER[c1] (Variation AS "% Prev bar")
```

We can modify our code and set more stringent conditions: we want the positive trend to be verified for the last 2 bars (or periods).

Let's duplicate the c1 line to create a second condition, named c2. Then we insert respectively [1] after indicator1 and [2] after indicator2 and include the c2 condition between the SCREENER brackets. See the code below:

**Code**

```
indicator1 = Average[20](close)
indicator2 = Average[20](close)
c1 = (indicator1 > indicator2[1])
c2 = (indicator1[1] > indicator2[2])
SCREENER[c1 AND c2] (Variation AS "% Barre prec")
```
Group your conditions into one ProScreener

In this section, you will see how to cumulate searching conditions with additional flexibility. For example, you may want to detect:

- securities having a RSI > 70 and positive price trend
- and securities having RSI < 30 and a negative price trend

When setting multiple conditions in the Assisted creation wizard, you have the choice between "Match all conditions" or "Match any of the conditions", but you cannot create one screener that searches for either 2 simultaneous bullish conditions or 2 simultaneous bearish conditions for example. This can be done with a little modification in the code.

First of all, let's create a ProScreener based on the conditions above and let's set a sorting criteria using the RSI indicator. The code is the following:

```code
indicator1 = RSI[14](close)
c1 = (indicator1 > 70.0)
c2 = (close > open)
indicator2 = RSI[14](close)
c3 = (indicator2 < 30.0)
c4 = (close < open)

criteria = RSI[14](close)

SCREENER[(c1 AND c2 AND c3 AND c4) (criteria AS "RSI")]
```

In the code c1 and c2 are the bullish conditions, c3 and c4 the bearish conditions. We can just group them in the SCREENER line, to get a market scan that searches for securities meeting 2 bullish conditions or 2 bearish conditions in the same program. See the code in below:

```code
indicator1 = RSI[14](close)
c1 = (indicator1 > 70.0)
c2 = (close > open)
indicator2 = RSI[14](close)
c3 = (indicator2 < 30.0)
c4 = (close < open)

criteria = RSI[14](close)

SCREENER[(c1 AND c2 ) OR (c3 AND c4)] (criteria AS "RSI")
```
The ProScreener window will display the results using the value of the RSI as the sorting criteria. By examining the RSI value, you will easily see if the security meets the bullish conditions or the bearish conditions.
Alerts

Create Alerts

You can create Alerts based on:

- a specific price of a security;
- a specific price of a customized indicator;
- the crossing of a customized line with a customized indicator;
- the crossing of a customized indicator with another customized indicator.

An Alert may be either a single condition of the ones listed above, or be made up of several conditions which happen simultaneously.

All kinds of Alerts are possible. Here are some examples of how to create alerts.

**Simple alert**

To create a simple Alert, first click on the icon on the toolbar shown below:
Then click on the chart of the security you wish to create an Alert for. For example, if you want to create an Alert on price, you should click on the yellow area outlined below:
A new window appears in which you can define all the characteristics of your Alert: let’s set an Alert for price above a specific level.

Multi-condition alert
Let’s create now another Alert based on 2 conditions: price below 20 day simple moving average (Condition 1) and MACD 12 26 9 price is above its signal (Condition 2).
To create Condition 1, add a moving average to the price chart, then repeat step 1 and select Moving average20 in the drop-down menu as shown below:
To create Condition 2, click on "Add condition" (see button on image above), then click again on the yellow area outlined below and fill in the limit in the Value box shown on the second image below. Finally, click on "New".
Alert based a line drawn on an indicator

Let's add another Alert on the Stochastic Indicator: the Alert should trigger when the Stochastic %K crosses the red line shown below. Click on the icon of the tools menu and click on the red line.
The characteristics of the Alert are automatically filled as shown below and you just need to click on "Create Alert".

Note that if you modify a drawn line that is used for an Alert, the characteristics of the corresponding Alert change.

The current status of the Alerts we have just created is available in the "Alerts status" window. You can launch this window from the "Display" menu of the main window: 3 Alerts have been created and one of them (id=2) has 2 conditions.

Lots of customizable Alerts can be created within a few clicks.
Create SMS Alerts

SMS Alerts give you the ability to get real-time trading Alerts and follow your investments even while away from your computer. Like ordinary Alerts, you can set SMS Alerts based on multiple criteria:

- a specific price;
- a specific time of the day;
- standard technical analysis indicators.

Due to regulations, SMS Alerts cannot mention specific real-time price or volume levels of securities other than Forex currency pairs. If you set an SMS Alert on one of these securities, the SMS Alert for this security will contain the mention "Alert Level Reached" (indicating that the price or volume Alert level you set has been reached).

**Tip:** You can specify the type of Alert signal: "Enter Long", "Enter Short", "Exit with gains" (ex: stop profit Alert) or "Exit with losses" (ex: stop loss). The type of signal will be included in the SMS.

You can create Alerts based on only one condition, or on the simultaneous occurrence of up to 4 conditions in order to trigger the SMS Alert.

Once the Alert is created, it will be triggered even if the workstation is closed. The moment the conditions you set are met, an SMS message will be sent to the mobile phone number specified by you. At the same time, an Alert will also be triggered on your workstation if it is open at the time.

To avoid unnecessary consumption of your SMS credits, **every SMS Alert that is triggered will become inactive afterwards.** For an Alert created on a specific price level, you may then choose to re-activate it. You can also delete sms Alerts at any time.

Here are the steps needed to create an Alert:

To create an Alert, you first have to click on the icon of the tools menu shown below:

Next, click on the chart of the security you wish to create an Alert for. For example, if you want to create an Alert on the Dax future price, you should click on the yellow area outlined below:
A new window will appear in which you can define all the characteristics of your Alert. Let’s set an Alert for a Dax price above the price shown below by using the controls that appear in the highlighted area:

The Alert to be created is set to ordinary (non-SMS) by default. To set it as an SMS Alert, simply check the box "Alert 24H/day via SMS".

Next, make sure the "Mobile phone number" is correct:
the first box should contain the international dialing code for the country of your mobile phone operator (example: 1 for the USA, 44 for the UK, 61 for Australia, etc.);
the second box should contain your phone number as dialed from outside your country after the country code (example: for the USA, this should be a 10-digit number).
You will need to have some SMS on your account’s credit balance to create an SMS Alert.

Your real-time access includes 3 SMS credited at no extra cost on the first day of every month for as long as your subscription remains active.
You can purchase more SMS packs by clicking on the Buy more link shown above.

Notice how the buttons marked in the yellow area below change from "Create Alert" to "Create SMS Alert" once you check the box "Alert 24H/day via SMS":

Add condition

DAX30 Full 12/14 Future

Time unit: Monthly

Price: 9,200.00

Value: 9600

Trigger: Real time

Signal: Undefined

Disable and store alert for future activation

Associate Order

Create Alert
Cancel

V 20150922 www.prorealtime.com 148/194
Once all the conditions for your Alert are set, simply click on the button "Create SMS Alert" to set it!

If the Alert was created on a specific price level, a horizontal line with an Alert-bell will appear on the chart at the level where the Alert was set.

To create SMS Alerts based on multiple conditions, simply click on the button "Add condition" and set them up. This process is exhaustively described in the section "Create Alerts" and is done in the exact same way for SMS Alerts.

You will see the new Alert appearing in the "Alerts" window:

You may choose to view a list containing all Alerts you have created or only SMS Alerts by clicking on the corresponding tab.

When the SMS Alert is triggered, an Alert on your workstation will also be triggered. You may choose to activate the same options as for a non-SMS Alert when an SMS Alert is triggered:
a pop-up window;
a sound signal;
an arrow on the chart.

You can activate / deactivate these options from the "Options" menu in the main window.

Once the SMS Alert is triggered, its status in the window "Alerts status" will change:

You will receive an SMS notification with the conditions set for the Alert.
Delete an SMS Alert

You may then choose to delete it. To do this, click on the corresponding row of the window "Alerts status" so the below window appears:

You may also delete the SMS Alert by clicking on the icon, and then on the line representing the Alert in the chart.
Reactivate a price-based SMS Alert

For Alerts on price: If you want to set the Alert on a different price level with no change to its other parameters, you can do so by moving the horizontal line.

To do this, click on the icon, then on the line where the SMS Alert is displayed on the chart.

Simply click on the line to select it and click anywhere else on the chart to set it on your desired price level.
This feature allows you to display the difference of prices between two securities. Spreads are mainly used for the commodities or futures markets. Some strategies consist in buying / selling a security while selling / buying another one. Spreads emphasize on abnormal conditions between both securities.

With ProRealTime you can display each spread in a candlestick view, thus improving your analysis. We compare every tick of both securities to be able to display the low and the high of your spread in a candlestick view.

To benefit from this useful tool, go to "Display" and click on "Spreads" as shown below.

A new empty window appears that will look as shown below.

Click on the "Set Spread" button to open the window below. In this window you can create your first spread.
This window allows you to select both securities of your first spread by using the search buttons. For instance, we first click on the button highlighted above and select the first security of your choice from the search window.

Then, click on the button outlined below to select the second security.
Then, choose the coefficients and the operation to apply.

Finally, click on the "Add" button to display this spread in the "Spreads" window. It will appear in the top left position of the "Set Spread" window as well as in the "Spreads" window.

Note that you can change the name of the spread by typing the name of your choice in the top-right box titled "Name" in the "Set Spread" window.

You can create and save up to 50 spreads. Inversely, if you wish to remove a spread, go to "Display", select "Spreads" and click on the button "Set Spread". Select the spread you want to remove and click on "Delete" button.
ProCommunity

Share live trading information

ProCommunity is a trading network which allows you to:

• Share PaperTrading positions, orders and portfolios with your friends directly on charts
• Receive a rank and detailed report based on your trading performance
• View trading information of the best anonymous users of your rank

🚨 ProCommunity is only available with PaperTrading information on ProRealTime Software (www.prorealtime.com).

Learn more about the ProCommunity trading network

View live positions and orders on charts

ProCommunity allows you to view open positions and pending orders of your friends and anonymous users directly on charts.

As the users you are following trade, their positions and orders will be updated in real-time on your charts.

You can adjust the timeframe and amount of historical data displayed on these charts and save them in templates.

View trading information in the ProCommunity table

To see the trading information of other users in a table format, select "ProCommunity" from the "Trading" menu. You can open a chart like the one shown above for users in the table by clicking the icon.

When looking at trading information of friends, you can use the menus highlighted in yellow below to display:

• Online friends you follow, all friends you follow, or one friend at a time
• All securities, all securities of one type (ex: All forex) or one security at a time (ex: EUR/USD only)
When viewing trading information of anonymous users, you can use the menus highlighted in yellow below to display trading information for:

- Selected popular securities (one at a time - click here to see the list)
- Best of "All users" or "Users active today" that you have access to: A user is active today on a security if they have placed any orders or have an open position on it.

To keep track of your favorite users, you can highlight or un-highlight them by right-clicking on them and selecting "highlight".
In all ProCommunity tables, the title shows the number of lines displayed in the table which correspond to buyers and sellers in order to give you quick information on community sentiment for the security or group of securities you are looking at.

**Customize the trading information displayed**

You can customize the columns of the ProCommunity window by clicking on the icon.

**General information:**
- **User:** Displays the user's ProCommunity nickname
- **Security:** Name of the security the user is trading on (shown only when multiple securities are displayed in the ProCommunity table)

**Information about the user's current positions and orders on the security displayed:**
- **Position:** Direction and quantity of current position (ex: BUY 1000)
- **Buy Limit:** Quantity and price of pending buy limit order closest to current price (ex: ^1K@1.23 means there is a Limit Buy order at 1.23 for a quantity of 1000)
- **Buy Stop:** Quantity and price of pending buy stop order closest to current price
- **Sell Limit:** Quantity and price of pending sell limit order closest to current price
- **Sell Stop:** Quantity and price of pending sell stop order closest to current price
- **Last executed:** Type, quantity and price of last executed order (ex: MKT 1K@1.23 means that the last order executed was a buy for a quantity of 1000 at the price of 1.23)
- **Last gain:** Gain or loss realized due to the execution of the most recent order (ex: Paul buys 1000 shares at 10 per share. He then sells 600 shares at 12 per share. His last gain is 600*(12-10) = 1200)
- **Latent gain:** Latent gain or loss of the current position on this security (amount or %)

**Information about the user's trading activity and results on the security displayed:**
- **Rank:** Displays the user's rank from trading on this instrument
- **Activity:** Displays the user's activity level corresponding to the average number of trades per month (on this security)
- **Gain, Gain today, Gain week, Gain month, Gain year:** Total gain, Gain today, Gain in the current week, Gain in the current month, Gain in the current year (on this security: amount or %)
- **Since:** Date of creation of the user's current PaperTrading portfolio
- **Avg ord/mth:** Number of orders executed per month by the user (on this security)
- **Initial amount:** Amount of cash initially in the user's portfolio (converted into the currency of the security being traded)
- **Last active:** Date an order was last placed or executed by the user (on this security)

**Note:** Brokerage fees are not counted in any ProCommunity gain statistic in order to make the results of different users more easily comparable.
Network of friends

ProCommunity is a trading network which allows you to:

- Share PaperTrading positions, orders and portfolios with your friends directly on charts
- Receive a rank and detailed report based on your trading performance
- View trading information of the best anonymous users of your rank

⚠️ ProCommunity is only available with PaperTrading information on ProRealTime Software (www.prorealtime.com).

Learn more about the ProCommunity trading network

Invite friends to exchange trading details on any security

To send or accept invitations, open the “Friends” window from the “Trading” menu of the main window:

Follow the trades of your friends

In order to share trading information with your friends, you both must have real-time access with PaperTrading enabled. To send a request, go to the section “Friends I follow” and click “Add”:

You can send requests to your friends via e-mail or via their ProRealTime workstation. To send a request via e-mail, you will need to know your friend's name and e-mail address:
To send a request to your friend's ProRealTime workstation, you will need to know your friend's ProCommunity nickname and the e-mail address that is associated with their ProRealTime account. Your friend can find this information in their "ProCommunity friends" window as shown above.

If your friend accepts your request, they will be available in the ProCommunity table when you choose either "Friends I follow" or "Online friends I follow" in the users selector shown below:

If your friend accepts your request to follow them, they will be available in the ProCommunity table when you choose either "Friends I follow" or "Online friends I follow" in the users selector shown below:
Click on the icon next to the name of any friend to display their chart with their positions and pending orders which are the closest to the current price:

To view your friend's portfolio on all securities, first choose to display only one friend in the dropdown menu to the right of "Friends I follow". Then select "All" in the menu "Security Types" as shown below.
Here's how a friend can invite you to see their trading information:

- Just provide them your e-mail address and ProCommunity nickname as described above (remember: your ProCommunity nickname is not the same as your login name. Do not share your login and password with anyone).
- You will receive an invitation by e-mail or an invitation in your workstation like the one shown below. Click “Accept” to access the trading information of this friend.

Let other users follow your trades

Inviting a user to follow your trading information is done in the same way as described in the last section, except that this is done from the right side of the Friends menu - "Friends following me". Other users can also send you requests to follow your trading information if they know your ProCommunity nickname and ProRealTime e-mail address.

Manage your contacts and invitations

When opening the ProCommunity friends window, you may receive requests to follow you or invitations to follow other users. You can accept these invitations, reject them, or block the sender.

- You can follow 25 friends at a time on the Complete workstation or 100 at a time on the Premium workstation. A counter keeps track of the number of friends you are following.
- You can invite as many users as you want to follow your trading information.
- If one of the friends you are following or friends following you becomes unavailable, their icon will have a red ✗ associated with it (see below).
- You can remove any contact from your friends window or delete a pending invitation sent via the workstation by clicking on the icon of your contact and clicking the "Delete" button. You can select multiple "Friends I follow" or "Friends following me" at a time if you want to delete several at once.
- If you have blocked a user, you can unblock them by selecting their icon and clicking on the "Unblock" button that will appear.
A full list of the icons you may see in the Friends window is shown below.

<table>
<thead>
<tr>
<th>FRIENDS I FOLLOW</th>
<th>FRIENDS FOLLOWING ME</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Online:</strong> You can see this user's trading information. They are online now.</td>
<td><strong>Online:</strong> This user can see your trading information. They are online now.</td>
</tr>
<tr>
<td><strong>Offline:</strong> You can see this user's trading information. They are offline now.</td>
<td><strong>Offline:</strong> This user can see your trading information. They are offline now.</td>
</tr>
<tr>
<td><strong>PaperTrading disabled:</strong> You could previously see this user's PaperTrading information. It is unavailable now because they disabled PaperTrading. If they re-enable it, you will be able to access their trading information again.</td>
<td><strong>PaperTrading disabled:</strong> This user could previously see your PaperTrading information. They can no longer see it because they disabled PaperTrading. If they re-enable it, they will be able to access your trading information again.</td>
</tr>
<tr>
<td><strong>No real-time access:</strong> You could previously see this user's trading information. It is no longer available because their real-time access expired. If they re-activate it, you will be able to access their trading information again.</td>
<td><strong>No real-time access:</strong> This user could previously see your trading information. It is no longer available because their real-time access expired. If they re-activate real-time access, they will be able to access your information again.</td>
</tr>
<tr>
<td><strong>Request sent:</strong> You have sent a request to follow this user via their workstation (requests sent by e-mail are not tracked).</td>
<td><strong>Invitation sent:</strong> You sent an invitation for this user to follow you via their workstation (invitations sent by e-mail are not displayed).</td>
</tr>
<tr>
<td><strong>Removed me:</strong> This user removed you from their list of followers. You can no longer access his trading information.</td>
<td><strong>Not following me anymore:</strong> This user has stopped following you.</td>
</tr>
<tr>
<td><strong>Request not accepted:</strong> Your request to follow this user was not accepted or can no longer accept ProCommunity friend requests at this time.</td>
<td><strong>Invitation not accepted:</strong> This user did not accept your invitation to follow you or this user can no longer accept ProCommunity invitations to follow others at this time.</td>
</tr>
<tr>
<td><strong>Blocked user:</strong> This user can no longer invite you to view their trading information.</td>
<td><strong>Blocked user:</strong> This user can no longer request to view your trading information.</td>
</tr>
</tbody>
</table>
Follow anonymous traders

ProCommunity is a trading network which allows you to:

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Learn more about the ProCommunity trading network

View trading information of the best community users

ProCommunity gives you access to anonymous trading information of the best ProCommunity users on selected instruments.

For each security, trades you make give you:

- a rank based on your performance (D, C, B, A, or VIP)
- an activity level based on your number of trades per month (High, Medium, Low)

You can see real-time positions and pending orders of users of your rank and activity level and below. You can also see positions & pending orders of all users of rank D regardless of their activity level.

As your rank and activity increase, you will access information of better and more active traders.

Your rank and activity level are listed in the upper-right of the ProCommunity table highlighted in yellow below. The number next to the blue arrow pointing towards the next rank indicates the number of users you must pass to attain that rank. If your rank is C or higher, the blue arrow pointing to the previous rank shows how many users are below you within your current rank.

The following pyramid shows the composition of each rank:
In addition, you can see users 1 or 2 ranks above you if you have a loyalty bonus (up to a maximum of rank A):

- **Loyalty bonus:** you have real-time access without interruption for more than 37 months
- **Premium bonus:** you currently have a subscription to the Premium version of the workstation

### WITHOUT BONUSES - SEE TRADERS OF YOUR RANK

<table>
<thead>
<tr>
<th>YOUR RANK FOR A SECURITY</th>
<th>D</th>
<th>C</th>
<th>B</th>
<th>A</th>
<th>VIP</th>
</tr>
</thead>
<tbody>
<tr>
<td>LETS YOU SEE ANONYMOUS USERS OF THE FOLLOWING RANKS:</td>
<td>D and below</td>
<td>C and below</td>
<td>B and below</td>
<td>A and below</td>
<td>Everyone</td>
</tr>
</tbody>
</table>

### WITH BONUSES - SEE TRADERS WITH A HIGHER RANK THAN YOU

<table>
<thead>
<tr>
<th>YOUR RANK FOR A SECURITY</th>
<th>D</th>
<th>C</th>
<th>B</th>
<th>A</th>
<th>VIP</th>
</tr>
</thead>
<tbody>
<tr>
<td>SEE USERS 1 RANK HIGHER* WITH 1ST LOYALTY BONUS</td>
<td>C and below</td>
<td>B and below</td>
<td>A and below</td>
<td>*and below</td>
<td>Everyone</td>
</tr>
<tr>
<td>SEE USERS 2 RANKS HIGHER* WITH 2ND LOYALTY BONUS</td>
<td>A and below</td>
<td>A and below</td>
<td>A and below</td>
<td>*and below</td>
<td>Everyone</td>
</tr>
</tbody>
</table>

*You must achieve VIP rank yourself in order to see other VIPs unless you are accepted by them as a follower.

To access trading information of the best anonymous users, select one of these choices in the ProCommunity table:

- **All users:** Top 50 anonymous users you have access to on this security
- **Users - active today:** Top 50 anonymous users you have access to, who have placed a trade or an order today on this security

Your access to trading information of users ranked above you will be displayed in green when the conditions are met:
You can display the orders and positions of the users in the table on a chart by clicking on the icon in any line in the table.
ProCommunity is a trading network which allows you to:

- Share PaperTrading positions, orders and portfolios with your friends directly on charts
- Receive a rank and detailed report based on your trading performance
- View trading information of the best anonymous users of your rank

⚠️ ProCommunity is only available with PaperTrading information on ProRealTime Software (www.prorealtime.com).

Learn more about the ProCommunity trading network

This page explains how to get trading history, equity curves and detailed performance reports in ProCommunity, for yourself and other users.

**Trading history**

When you open the chart of any user from the ProCommunity table, their previous trades will be shown on the chart:

- ➧ indicates that a long position was opened
- ❌ indicates that a long position was closed
- ➯ indicates that a short position was opened
- ✗ indicates that a short position was closed

If there is more than one symbol on a given candlestick, it means there was more than one transaction completed during this time period. You can open a lower timeframe to view the past transactions in more detail:

**Equity Curve**
Click the button highlighted in yellow below to display the user’s Equity curve and positions chart.

- The Equity curve shows the user’s initial capital and their gains/losses resulting from trades on this security.
- The Positions chart shows the size and direction of the user’s position (Long, Short, or Neutral).

**Example:**

If the current contract is February, any trades on the February and past expiry CAC contracts will be taken into account.

Trades on future expiry contracts (March, April) will not be displayed on the continuous future equity curve.

When the February contract expires and the March contract becomes the current contract:

- any positions on the February contract will be closed.
- if you had a position already open on the March contract, your gains and losses on the March position will be counted in the equity curve from this time forward.

**Detailed report**

Clicking on the button described in the previous section also generates a detailed report about the user’s results from trading on this security. There are 3 tabs:

- **Statistics** gives an exhaustive view of the user’s performance (net gains or loss, number of winning and losing trades, and many others).
- **Orders list** shows details on the time, direction (buy or sell), quantity and price of orders. Times displayed will be in local market time (GMT for forex).
- **Trades list** gives details about the positions (long or short, duration in number of bars, absolute and relative performance, entry and exit dates...).

If the security you are looking at is a continuous future (example: CAC future), the detailed report takes into account the same information as the equity curve (see above).
Note: Brokerage fees are not taken into account in ProCommunity. As a result, they are not counted in calculations of the detailed report or equity curve.

Open your own Equity curve & Detailed report from the ProCommunity table

To quickly access your own Equity curve & Detailed report from the ProCommunity table:

- Select "Myself" in the "Users" dropdown menu
- Right-click on the line of any security and choose the option highlighted in yellow below
You can also access the equity curve & detailed reports of your friends in the same manner.

<table>
<thead>
<tr>
<th>User</th>
<th>Security</th>
<th>%Gain</th>
<th>Position</th>
<th>Buy Limit</th>
<th>Buy Stop</th>
<th>Sell Limit</th>
<th>Sell Stop</th>
</tr>
</thead>
<tbody>
<tr>
<td>Joshua865</td>
<td>Spot EUR/USD</td>
<td>+6.48%</td>
<td>10K</td>
<td>10K@1.0057</td>
<td>10K@1.0077</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Joshua865</td>
<td>APPLE INC.</td>
<td>+23.17%</td>
<td>100</td>
<td></td>
<td>-100@384.20</td>
<td>-100@391.50</td>
<td></td>
</tr>
<tr>
<td>Joshua865</td>
<td>DAX30 Full1214 Future</td>
<td></td>
<td></td>
<td>-5@5520.50</td>
<td>-5@5516.00</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Show equity curve & detailed report
Show positions on charts
Options menu

The options menu can be opened by going to "Options" and choosing one of the available possibilities:

- **Platform options** includes General platform options, ProRealTrend lines options, Alert & sounds options, Time zones & Trading hours options. These options always apply, regardless of the template you are using.

- **Template options** include General template options, Fonts, Colors & Effects and Main window options. All of these options may be different for different templates (for example, you may have one template with dark colors and large fonts and a different template with light colors and small fonts).
You can choose to apply your choices to all of your templates using the dedicated "Apply to all templates" checkbox which is available in each section of the template options window.

The main window options tab lets you completely customize the main ProRealTime window and all of the tools available in the toolbar:
Once you have selected the tools you want, you can also change their positions in the toolbar by holding your left mouse button over a tool, dragging it to the left or right, then releasing the mouse button.

**Trading options** includes customization of the order interface, manual trading options, automatic trading options, statistics and order display options. Like general options, these will always apply to all templates.
Multi-window multi-screen contains tools to help you organize your windows by fitting them to your current screen size or tiling them across one or multiple screens. It also has a tool to reduce all windows to the system tray (Ctrl + h).

DDE Data Export lets you activate the DDE data export function. For more information, see the dedicated DDE data export page.
Saving and sharing

Save platform

Saving your platform will save your modifications to drawn objects, codes, personal lists and comments. Simply click on "File", then on "Save" in the main window as shown below:

In any case, a pop-up window will remind you to save your changes every time you close the platform, as shown by the following image:
We advise you to save templates in order to keep your platform’s layout and options. You can make several different templates if you like to use different layouts.

The following elements are saved in templates:
- size and position of windows (charts, order books, lists...)
- indicators displayed and their properties
- columns displayed in lists
- options in the “templates options” section of the menu

If you wish to save a new template, click on the “Templates” drop-down menu in the top area of the main window and click on “Save or delete...”. A small window appears allowing you to choose the name of the new template, for instance “Tick by Tick View”.

Once a template is saved, you can open it again anytime in the future.
Share your charts

Related help videos
- Save and print charts
- Send charts by e-mail
- All help videos

You can share charts by clicking the "share" icon at the bottom-left of the charting window:
E-mail charts

You can use this feature if you wish to post charts on the web or if you want to send your studies to several contacts at the same time.

To get your chart into your email box, display the corresponding chart window and click on the envelope icon highlighted in yellow below.
First, you need to create your contact list. You can start by entering your own email address and those of all of your friends, as shown below:

![Contact List Example]
Once an email address is saved, it will be available for later use on other messages. You just need to click on the address of the person that you want to send the email to. Selected emails will appear on the top left side as it is shown below. In this example we will send the email to Pieter and Ronald.
Next, choose the subject of the email the width and the height of the image and the actual text of the email.

The chart will be sent to each person listed in the right box.
Please note that you can also display several charts of the same security in a single image. To do so, make sure that you are currently displaying all the views of the security (1 charting window per view) and check "Include all charts displaying this security" in the window "Send chart analysis by email" shown in the image above.

For example, if you display several chart windows as shown below and you check the box, you will be able to generate and mail the second image shown below:
Print charts
Click “Print” to print your charts.

Save charts
Click “Save” to save charts to your hard drive:
Publish to Facebook or Twitter

Click "Facebook" or "Twitter" to publish your chart to the site of your choice:
You can import and export personal indicators, trading systems and screeners.

**Export an indicator or trading system**

First open the Indicators & trading systems window and place your cursor on trading system or personal indicator (any indicator with its title in italics), then click "Export" to export it to an ".itf" file on your hard drive.
You will then be asked to define a level of protection for the code:

- Choose the first option if you want the code to be modifiable after being imported.
- Choose the second option if you do not want the code to be modifiable (note: hidden codes will not be usable for automatic trading).
- Choose the third option if you do not want the code to be modifiable and only want the code to be importable one time (useful if you want to send the code to another user but don't want them to be able to redistribute the code).
Export a screener

To export a screener, open the ProScreener window, choose the ProScreener of your choice and click “Export”.

You will have the same choices for the level of protection for screeners as for indicators and trading systems.

Import an indicator, trading system or screener

To import an indicator, trading system or screener, go to either of the windows shown above and click “Import”. You will then be able to choose any .itf file on your computer and import it to your platform.
What is ProRealTime DDE?

ProRealTime DDE plugin (prortdde.exe) is a handy tool that enables you to export in real-time data from the list displayed in the Lists window of your ProRealTime workstation. Thus, it is dedicated to ProRealTime real-time users.

The ProRealTime DDE is 100% free and ensures the correct data download to external software compatible with Microsoft DDE (Dynamic Data Exchange, such as Excel, notepad etc.). The items that can be downloaded for each list are shown in the image below.
How to install the ProRealTime DDE Plugin?

1. First of all, close your workstation.
2. Download the "prtdde.zip" file from the link below (choose the "Save" option).
   
   Click here to download the "prtdde.zip" file

3. Unzip the "prtdde.zip" file
   
   For Windows 8, 7 or Vista:
   - Right-click on the file
   - Click on "Extract All..."
   - Click on "Extract"

4. To install the files, open the "prtdde" folder that was created and carefully follow the procedure below:
   
   **If your operating system is Windows 8, 7 or Vista:**
   - Double click on the "mscomctl2.exe" file and follow the installation procedure.
   - Right-click on the "prortdde.exe" icon shown in the folder created and select "Run as administrator". This step is required only when you first launch the plugin.
   - If you experience a "vb6fr.dll" error:
     - Copy the "vb6fr.dll" file from the folder "prtdde" to the folder "C:\Windows\System32".
     - If you are running a 64-bit version of Windows, you must also copy this file into the folder "C:\Windows\SysWOW64".
   
   **If your operating system is Windows XP:**
   - Right-click on the "mswinsck.inf" file and select "Install".
   - Double click on the "mscomctl2.exe" file and follow the installation procedure.
   - Double click on the "prortdde.exe" to launch the DDE export.

5. Now launch your ProRealTime Workstation, with real-time data access.
6. Click on the Options menu from the ProRealTime Main window and verify that "Export DDE" is activated.

If the ProRealTime DDE is properly installed, the new window "ProRealTime DDE Stream" appears (see image below).

Simultaneously, a new icon appears on your Windows taskbar: that means that the ProRealTime DDE is up and running.
How to export data

First open the list containing the datafeed to export
The ProRealTime DDE exports the data-stream related to the securities contained in the list shown in your "List" window. You can display only one list at time and every list contains a maximum of 50 securities. Thus, a maximum of 50 securities can be exported real-time.

Then select the data kind
From the "Copy DDE Link" menu in the "ProRealTime DDE Stream" window, you can select the kind of data that you wish to export into your DDE enabled external software.
You can choose between the default configuration, which exports Ticker, Name and Last, or the All Items configuration that exports all the items shown in the image below:

Export to DDE enabled external software
Let's assume you are using the Microsoft Excel software.
Open it and click on the field where to export the data selected.
Then press "=" on your keyboard, click on "Edit" menu and choose "Paste". The cell will display a function (see image below): press "Enter" to accept it.
### DDE Data Export

**ProRealTime SOFTWARE**

#### Tip:
You can also paste into Excel by using CTRL+V keyboard shortcut, but still remember to insert "=" in the cell before pasting.

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 APPLE INC</td>
<td>128.61</td>
<td>128.65</td>
<td>128.99</td>
<td>128.15</td>
<td>128.94</td>
</tr>
<tr>
<td>2 BASF SE NA O N.</td>
<td>81.24</td>
<td>82.10</td>
<td>82.09</td>
<td>80.65</td>
<td>81.5</td>
</tr>
<tr>
<td>3 BEL20 Index</td>
<td>3634.76</td>
<td>3646.69</td>
<td>3655.00</td>
<td>3628.23</td>
<td>3653.44</td>
</tr>
<tr>
<td>4 CAC40 Index</td>
<td>4873.5</td>
<td>4904.0</td>
<td>4922.0</td>
<td>4855.5</td>
<td>4921.5</td>
</tr>
<tr>
<td>5 DAX30 Full1214 Future</td>
<td>11095.5</td>
<td>11190.0</td>
<td>11224.0</td>
<td>11057.0</td>
<td>11201.5</td>
</tr>
<tr>
<td>6 FTSE MIB40 Index</td>
<td>22753.46</td>
<td>22847.34</td>
<td>22995.41</td>
<td>22665.5</td>
<td>22858.07</td>
</tr>
<tr>
<td>7 GOOGLE INC. CLA93 C</td>
<td>547.32</td>
<td>549.53</td>
<td>549.67</td>
<td>546.05</td>
<td>548.69</td>
</tr>
<tr>
<td>8 IBEX35 Index</td>
<td>10664.1</td>
<td>11062.0</td>
<td>11056.1</td>
<td>10937.3</td>
<td>11022.8</td>
</tr>
<tr>
<td>9 Mini S&amp;P500 Only1214</td>
<td>2092.25</td>
<td>2092.25</td>
<td>2102.75</td>
<td>2083.5</td>
<td>2088.75</td>
</tr>
<tr>
<td>10 Spot EUR/GBP</td>
<td>0.7327</td>
<td>0.7286</td>
<td>0.7336</td>
<td>0.7266</td>
<td>0.7274</td>
</tr>
<tr>
<td>11 Spot EUR/JPY</td>
<td>140.13</td>
<td>139.6</td>
<td>140.32</td>
<td>139.04</td>
<td>139.7</td>
</tr>
<tr>
<td>12 Spot EUR/USD</td>
<td>1.1197</td>
<td>1.1115</td>
<td>1.1225</td>
<td>1.1064</td>
<td>1.1225</td>
</tr>
</tbody>
</table>
# Keyboard shortcuts

For simple and quick use of the platform, many keyboard shortcuts are available. You can view all of these shortcuts from the "Help" > "Keyboard shortcuts" menu.

## Keyboard shortcuts

<table>
<thead>
<tr>
<th>File</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Save</td>
<td>Ctrl+S</td>
</tr>
<tr>
<td>Exit</td>
<td>Ctrl+Q</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Trading</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Portfolios</td>
<td>Ctrl+P</td>
</tr>
<tr>
<td>Order list</td>
<td>Ctrl+O</td>
</tr>
<tr>
<td>PROCommunity</td>
<td>Ctrl+H</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Display</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Lists</td>
<td>Ctrl+L</td>
</tr>
<tr>
<td>Advanced search</td>
<td>Ctrl+F</td>
</tr>
<tr>
<td>Top movers 1</td>
<td>Ctrl+1</td>
</tr>
<tr>
<td>Top movers 2</td>
<td>Ctrl+2</td>
</tr>
<tr>
<td>ProRealTrend Detection</td>
<td>Ctrl+T</td>
</tr>
<tr>
<td>ProScreener</td>
<td>Ctrl+E</td>
</tr>
<tr>
<td>Alerts status</td>
<td>Ctrl+A</td>
</tr>
<tr>
<td>Spreads</td>
<td>Ctrl+R</td>
</tr>
<tr>
<td>Options &amp; futures</td>
<td>Ctrl+K</td>
</tr>
<tr>
<td>Cursor details</td>
<td>Ctrl+D</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Templates</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Save or delete</td>
<td>Ctrl+M</td>
</tr>
<tr>
<td>Personal Template 1</td>
<td>F1</td>
</tr>
<tr>
<td>Personal Template 2</td>
<td>F2</td>
</tr>
<tr>
<td>Personal Template 3</td>
<td>F3</td>
</tr>
<tr>
<td>...</td>
<td>...</td>
</tr>
<tr>
<td>Personal Template 12</td>
<td>F12</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Interface</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Move up / down on lists (Lists, Top movers, ProScreener...)</td>
<td>Mouse wheel</td>
</tr>
<tr>
<td>The list window must be selected to use this shortcut.</td>
<td></td>
</tr>
<tr>
<td>Price or quantity selectors: Increase or decrease value</td>
<td>Mouse wheel</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Charts</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Zoom</td>
<td>+/- or mouse wheel</td>
</tr>
<tr>
<td>Scroll time scale</td>
<td>Arrow keys</td>
</tr>
<tr>
<td>Automatically adjust scale</td>
<td>Enter or Spacebar</td>
</tr>
<tr>
<td>Display comments</td>
<td>Ctrl+U</td>
</tr>
<tr>
<td>Display objects</td>
<td>Ctrl+J</td>
</tr>
</tbody>
</table>

You must left-click inside the chart panel prior to using these shortcuts.

<table>
<thead>
<tr>
<th>Windows</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Close the active window</td>
<td>Esc</td>
</tr>
<tr>
<td>Reduce all windows to system tray</td>
<td>Ctrl+H</td>
</tr>
</tbody>
</table>

You can then click in the system tray to restore the platform. You can click in the main window to keep this window on top of all other programs.
Platform help

Related help videos
- Help & support resources
- All help videos

Help menu

Technical support - If you are experiencing any trouble with your platform, this option opens a window allowing you to send us technical information that may help us to solve your problem. You can send this information to us by clicking on the "Send" button.

Help videos - This option links you to the list of our video presentations where you will find detailed examples explaining specific operations of the platform.

Help manuals - Link to this help manual and also the programming manuals available in the platform.

Tip: Learn how to take advantage of our advanced programming features step by step:
- Programming Guide - Indicators & Basic Functions (ProBuilder)
- Programming Guide - Trading Systems (ProBacktest & ProOrder)
- Programming Guide - Market Scans (ProScreener)
**Contextual help** - If the box is checked, a help window will appear each time you leave the mouse motionless for 1 second over an element of the software.

**Delete Objects**

Move the mouse cursor near an object so that it will be recognized and changes color.
Click on the left button of the mouse to delete it.
Click on the right button of the mouse to cancel the deletion.