

EXANTE Trading Platform

USER MANUAL

E X A N T E





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1. APPLICATION IN BRIEF

EXANTE is a next generation investment company that aims to give its clients access to a broad range of financial instruments and markets. **EXANTE trading platform** supports Windows, MacOS and Linux, and it is designed for the easiest and most user-friendly trading experience imaginable. Thanks to its modular design, it can be adapted to the needs of both novice and experienced traders.

2. INSTALLATION AND FIRST LAUNCH

You can download EXANTE trading platform by clicking the following [link](#). Download the version that fits your operating system. After downloading the setup file, install the platform by following the steps of the Installation Wizard. The platform requires a constant Internet connection. If the Internet connection is available, the platform will automatically connect to our server after launch. You should see a dialog window prompting you to enter the email address and password specified during the registration on our website.

If you have not registered on our website yet, please follow the [link](#). Without a proper account, you will not be able to use the trading platform.



Enter your login (email address) and password into the corresponding fields.

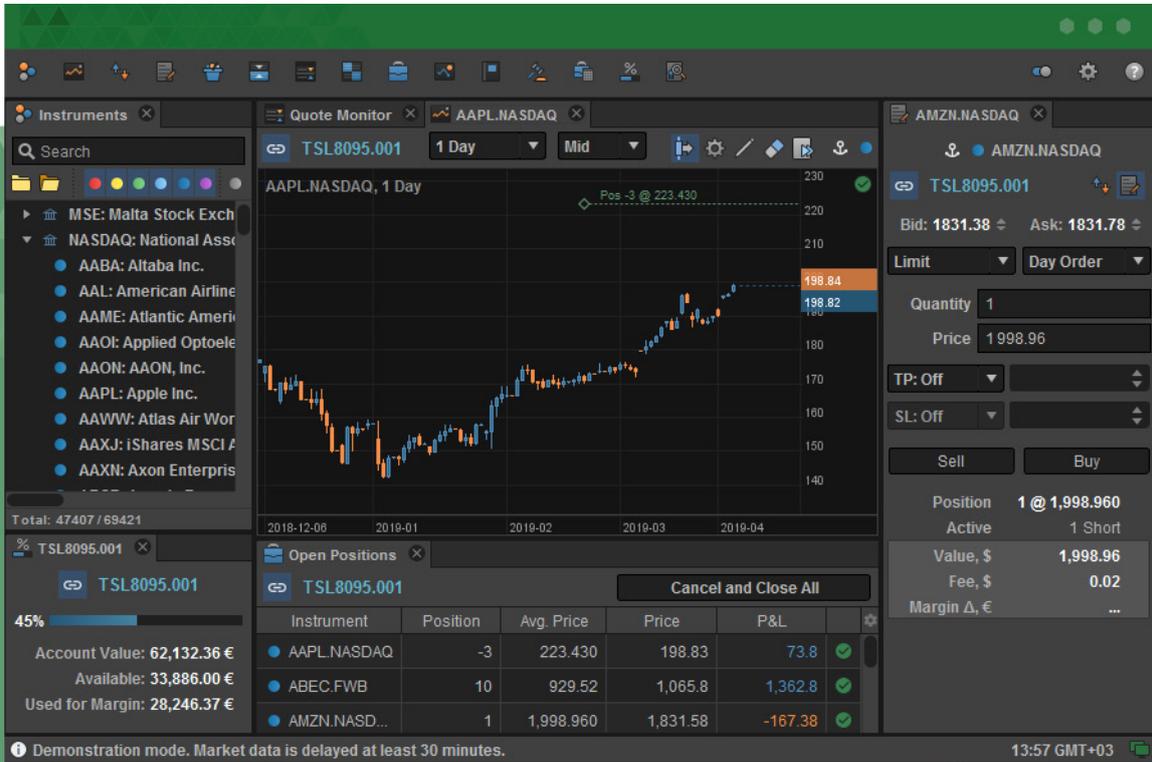
Select the environment you want to log in. Possible options are 'Demo' and 'Live', login and password are the same for both. To avoid entering your login every time, check the 'Remember user ID' box, and the application will remember your credentials. After clicking Login, if you have entered the correct access credentials, the dialog window will disappear, the modules will become active.

The terminal gets updated automatically. This means that. Every time you launch the terminal, it checks the server for updates. Having detected a new version, the application updates automatically: you will not have to download and install updates manually whenever a new version is released.

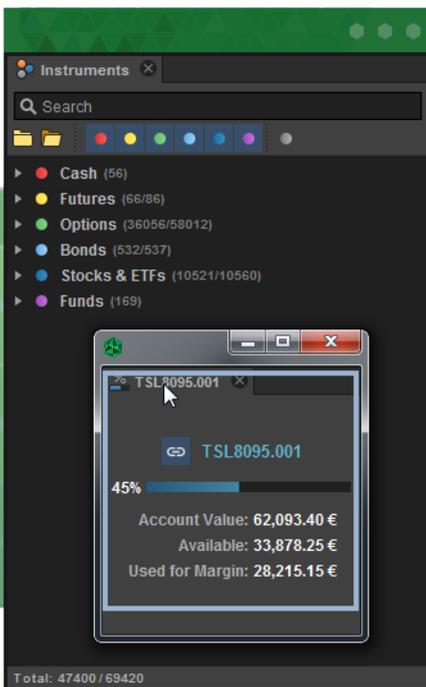
3. APPEARANCE AND SETTINGS

3.1 Modular structure

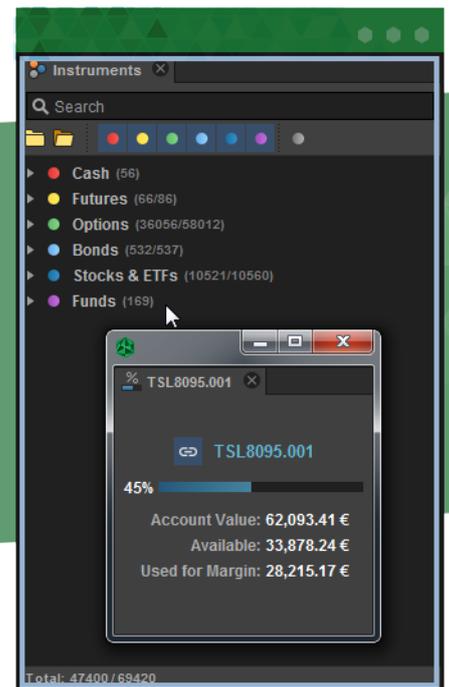
The platform consists of modules. All modules (except the main menu) can be arranged freely in the platform window, can be detached and have their size customized.



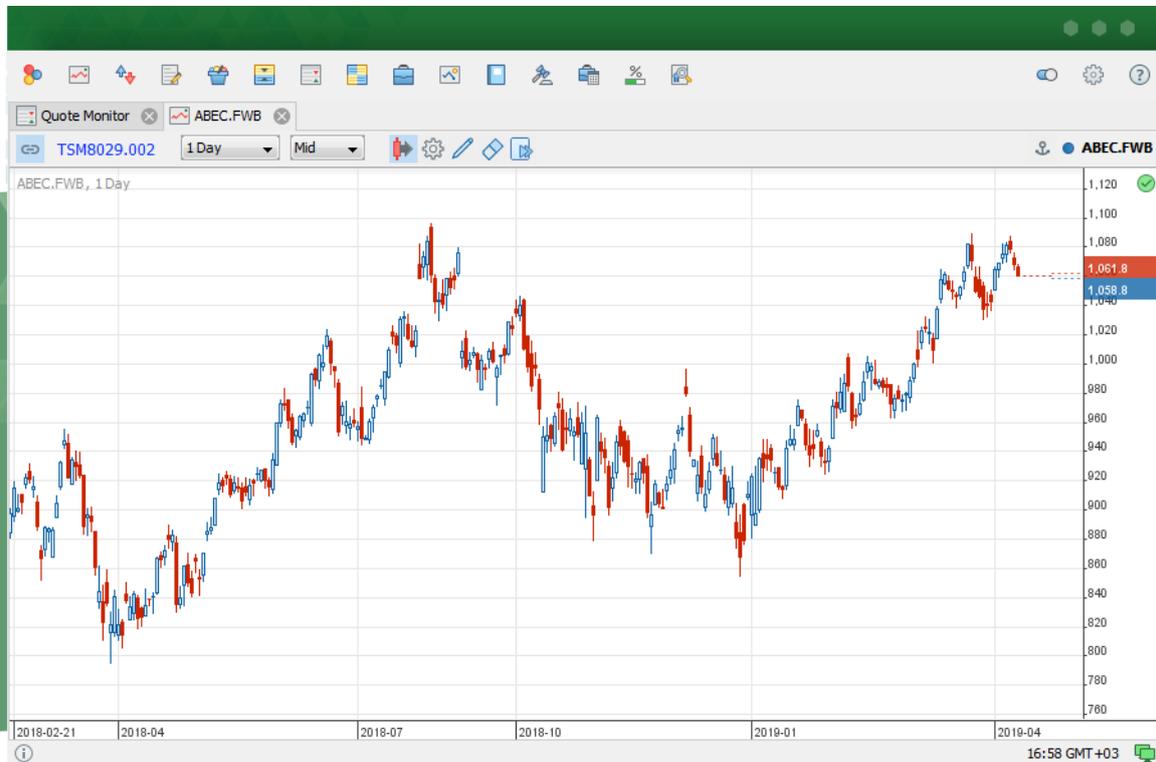
Modules can be either docked, or floating on top of other windows.



To resize a module, drag its boundary. To move a module, click and hold its header and move it to a new location. So, you can easily swap the places of modules. The projected position of the module that you are dragging will be indicated with coloured boundaries.



You can also display just one chart by closing or minimizing all the other modules. To minimize them, click on the small rectangular icon in the right-upper corner of the corresponding window, and it will be displayed as a small panel in the either side of the main window. To re-open it, click on the same icon on the panel, or just hover it: the module will be shown automatically.

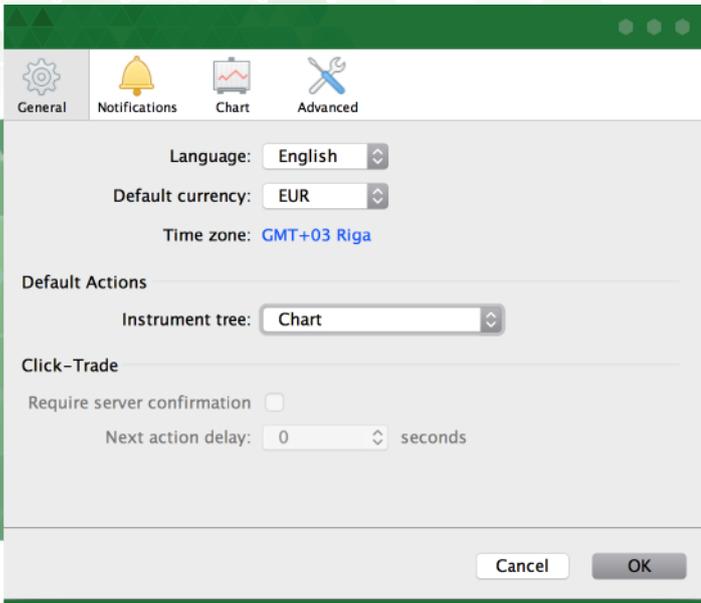


3.2 Basic settings

To configure EXANTE trading platform, open the Settings menu: click the corresponding icon in the upper left corner of the application.

On the first tab (General), you can choose the language of ATP: English, German, Russian, Spanish, Chinese or 'Auto'. 'Auto' means that language will be the same as language of your operating system. You can also change the default currency to one of the following currencies: EUR, USD, AUD, CAD, CHF, GBP, JPY, NZD, PLN or RUB.

You can also select the default action that is performed when you doubleclick an instrument in the tree: Chart (opens the instrument chart), Click Trade (adds the instrument to the window of the Click Trade module), Order (creates an order for the instrument), Basket Trader (adds the instrument to the Basket Trader module), Multi Account Trading, Market Depth (adds the instrument to the Market Depth module), Quote Monitor (adds the instrument to the Quote Monitor module), Option Board (available only for options, adds the instrument to the Option Board), Instrument Info (shows instrument info), and Copy Instrument (copies the abbreviated name of the instrument).

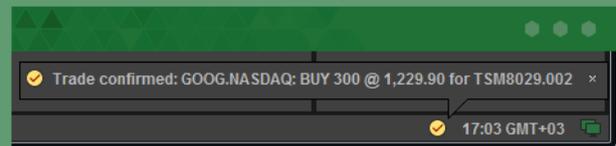
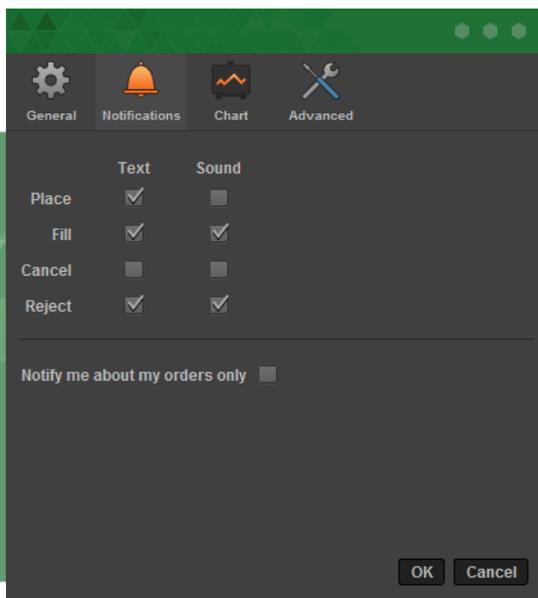


You can also set your default time zone if it is different from what is detected automatically.

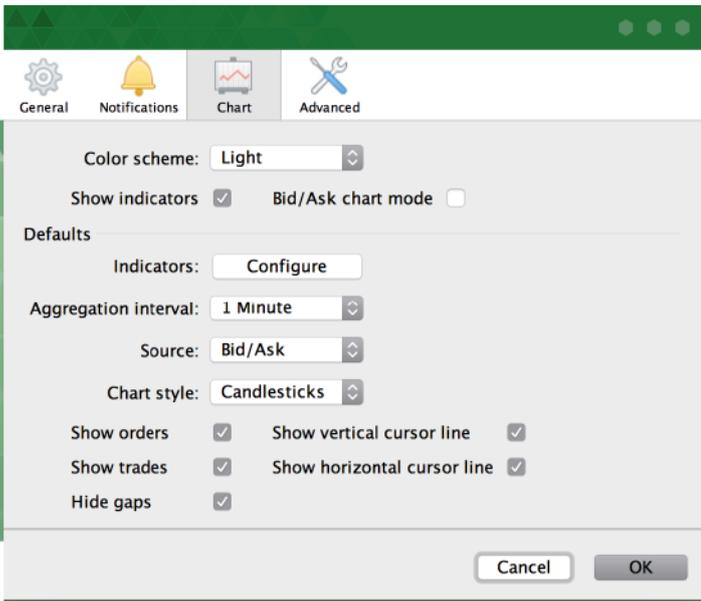
3.3 Notifications settings

The Notifications tab lets you configure settings of orders notifications.

Check the 'Text' box if you want to see text notifications of corresponding events: 'Place', 'Fill', 'Cancel' or 'Reject'. Check the 'Sound' box if you want to hear sound alerts when 'Place', 'Fill', 'Cancel' or 'Reject' events happened. A text notification looks like this:

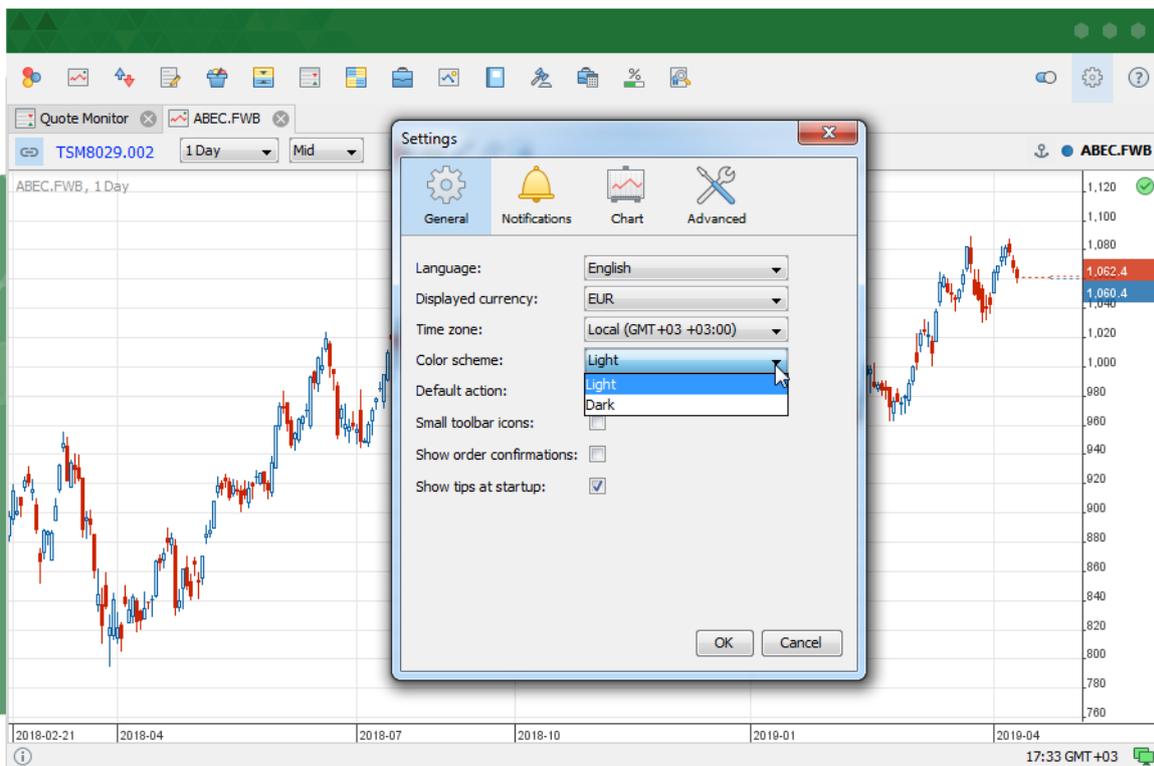


3.4 Chart settings



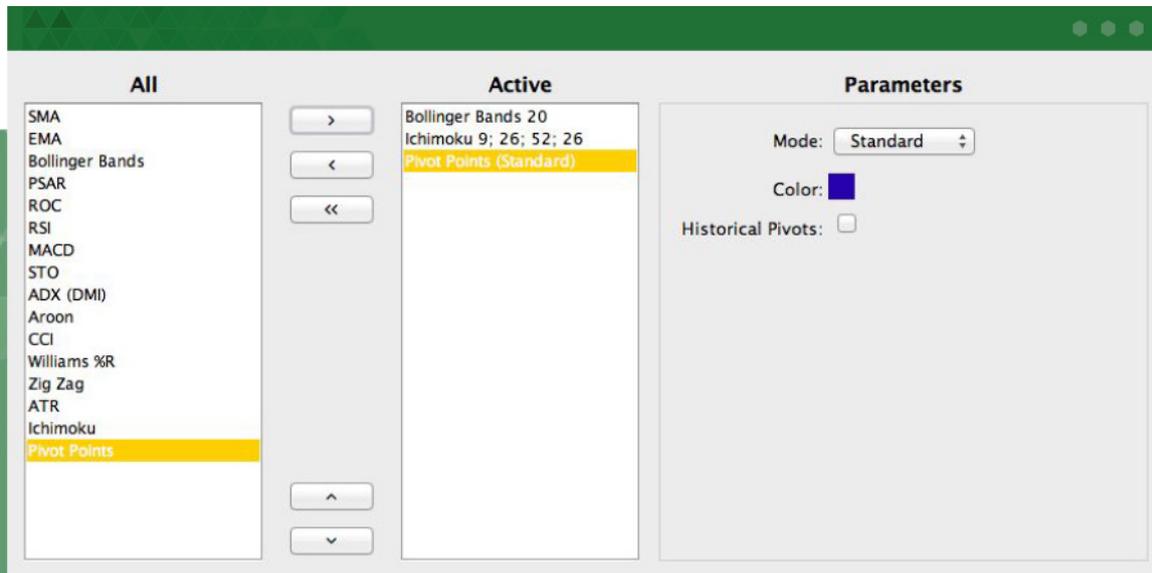
The Chart tab contains settings for charts that will be mainly applied to newly-opened charts by default.

You can change the color scheme of the charts: depending on what is more convenient to you, it can be either light or dark (this setting will be applied right away after you click the 'Ok' button):



Please note that the settings listed below will not affect those charts that are already active (they can be managed directly in the Charts module, see below).

Activate 'Show indicators' checkbox, if you want to see indicators on chart. You can set up the default collection of indicators by clicking the 'Configure' button.



Tuning other Chart settings allows to set up default quote chart layout, including:

- Aggregation interval (ticks, minutes, hours, days, etc.)
- Source (data on bid/ask or trades and volumes)
- Chart style (candlesticks, OHLC bars or lines)

Besides that, you can configure the way your charts look. Choose whether you want to:

- Show orders
- Show trades
- Show vertical cursor line
- Hide gaps (hide inactive trading periods, like holidays, etc.)

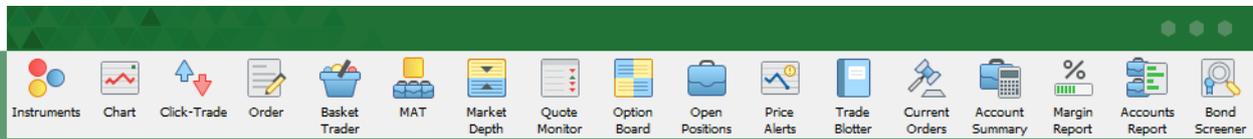
3.5 Advanced settings

The Advanced tab contains a button that allows to reset the application layout. After you click this button and restart the application, all modules will be reset to their default locations the way you saw them at first startup. This operation cannot be undone.

4. OVERVIEW OF MODULES

The platform screen consists of the menu and modules, each performing a dedicated function. You can see the following modules in the menu:

- Instruments
- Chart
- Click-Trade
- Order
- Basket Trader
- MAT (Multi-Account Trading)
- Market Depth
- Quote Monitor
- Option Board
- Open Positions
- Price Alerts
- Trade Blotter
- Current Orders
- Account Summary
- Margin Report
- Accounts Report
- Bond Screener
- Settings and Help



EXANTE trading platforms features a unified data filtration and sorting pattern that applies to most of the modules listed above given they contain a data table.

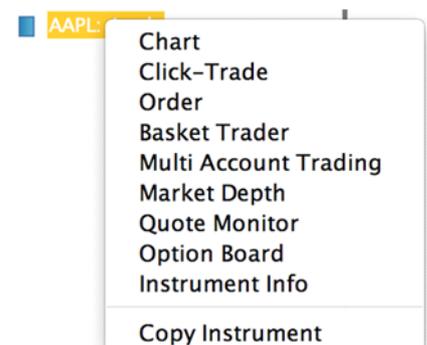
Click on the column name to change the order from ascending to descending and back.

Some columns in tables can be filtered. Use '<', '=', '>' signs before a number to find the corresponding ranges, or type a part of the word/symbol you're searching for:

Account	Updated	Status	Type	Instrument	Side	Quan...	Average Pri...	Price	Filled
ndq	All time	All	All	V	All				
NDQ5320.001	16.01.2019 18:54:46	Rejected	Limit	VXXB.NYSE	Sell	50		50.00	0
NDQ5320.001	16.01.2019 18:51:15	Rejected	Limit	VXXB.NYSE	Sell	100		50.00	0
NDQ5320.001	16.01.2019 16:49:25	Canceled	Market	VXXB.NYSE	Sell	1			0
NDQ5320.001	15.01.2019 18:00:18	Filled	Limit	VIX.CBOE.13G2019.P23	Sell	1	4.8	4.8	1
NDQ5320.001	06.04.2019 09:18:59	Working	Limit	VXXB.NYSE	Sell	30		50.00	0

If you right-click on any instrument name in any module, you will see a context menu that will give you an opportunity to open the instrument in the module you need:

Let us now examine each of the modules in detail.

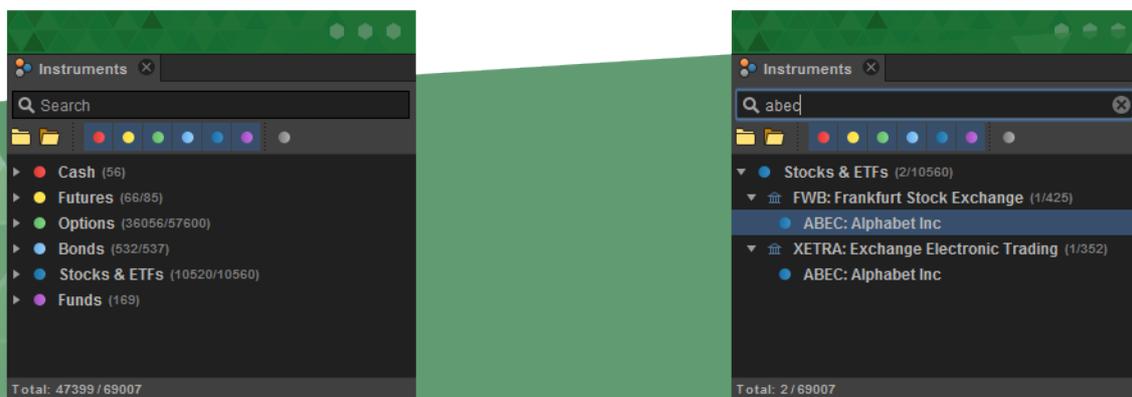


4.1 Settings

We describe this module in chapter 3 (see above.)

4.2 Instruments

All instruments are represented hierarchically in a tree structure in which the instrument types act as root elements: Cash, Futures, Stocks etc.



The tree has a dynamic instrument search function that works instantaneously: you only need to type in a few letters from the name of the instrument you are looking for.

You can drag an instrument from the tree to other modules by left clicking the instrument and holding down the left mouse button. For example, you can drag it to a chart in order to view the history of price changes. Otherwise, you can double-click on the name of the instrument and evoke the default action you have set for it in the settings (by default, it evokes opening the instrument chart.)

You can hide a certain type of instruments in the tree by clicking the correspondingly colored icon under the search window. Instruments of this type will be also excluded from the search scope.

Jump to the instruments tree by pressing **Ctrl+i** buttons on your keyboard. Navigate inside the module with arrows and the **Tab** button. To evoke the default action, press **Enter** after finding the instrument you need.

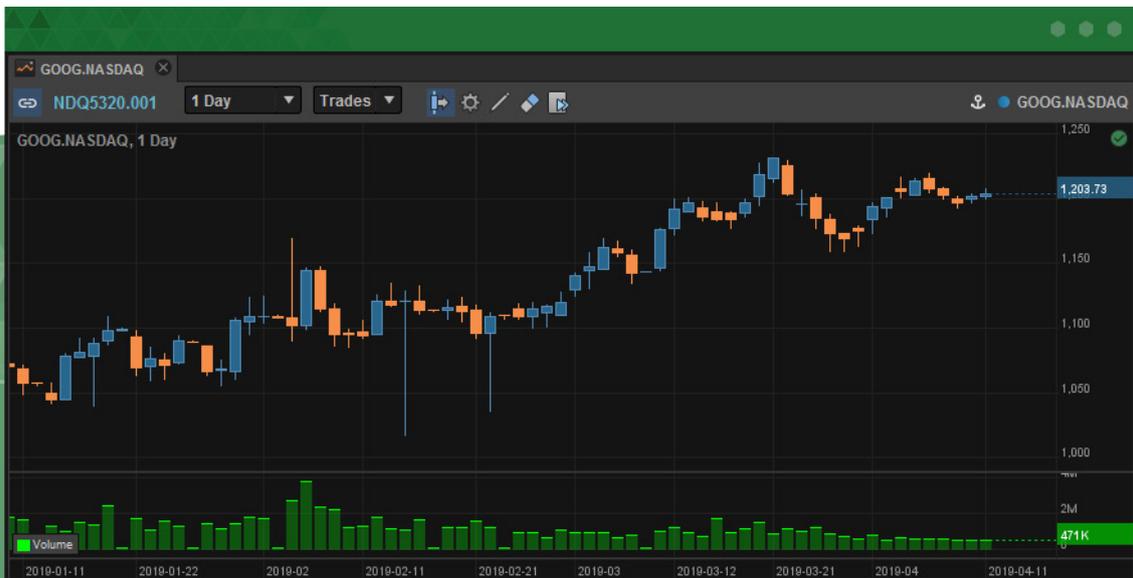
4.3 Chart

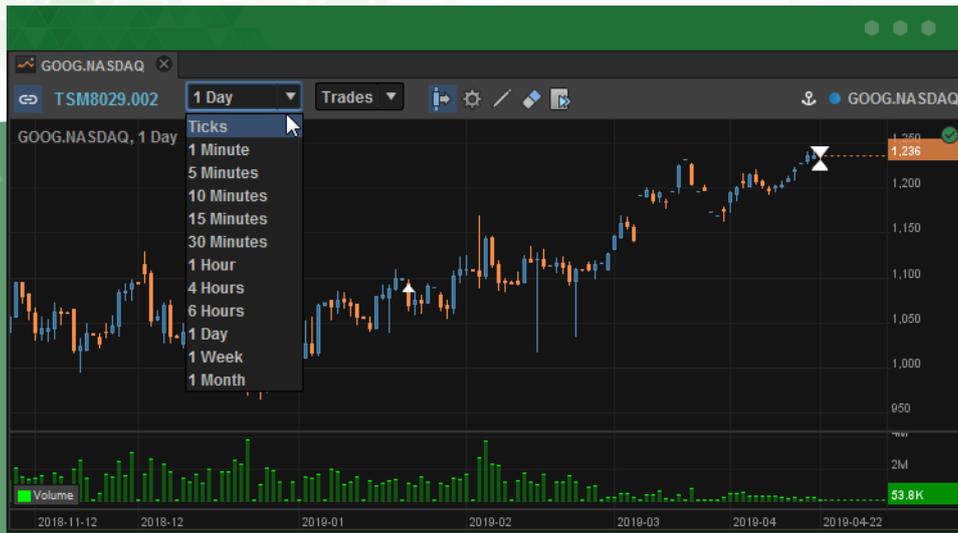
The chart is one of the trader's main tools. It is updated in real time and shows currency pair or stock price fluctuations. In the right upper corner you can see the market activity indicator. The green indicator means the market is active, while the yellow one shows it is currently out of operation. If you hover it, you will see a hint with the detailed information about the market schedule.

To view the chart of a certain instrument, just drag the instrument into the chart module. You can select the necessary level of chart detail: down to a tick, minute, and other timeframes. You can also adjust the scale by turning the mouse wheel.



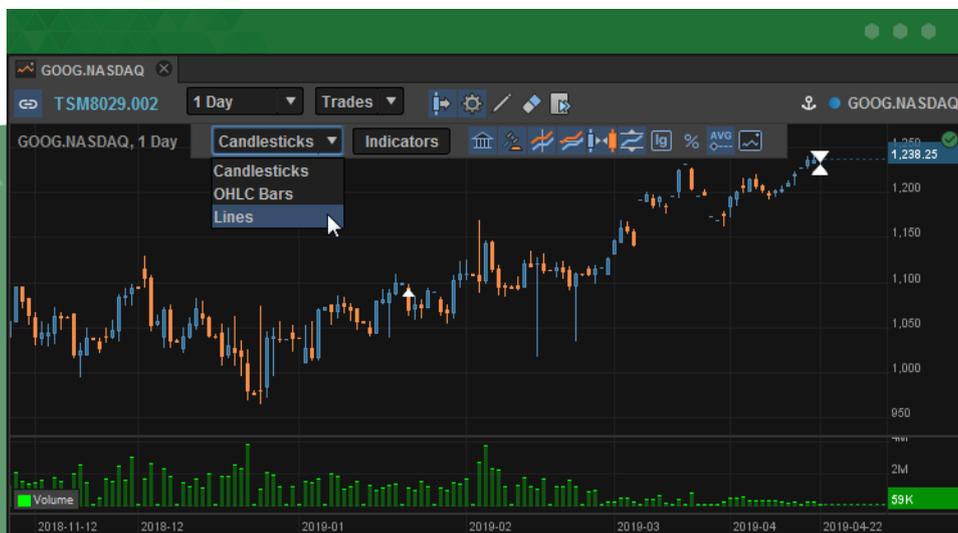
If this option is available for the instrument you have chosen, next to the chart detalization you will see a drop-down menu allowing you to see trades and volumes for it.





'Next' button (the one with a candlestick and the arrow) takes you to the very end of the chart. It can be useful when you need to go back to the current state after examining the earlier chart history.

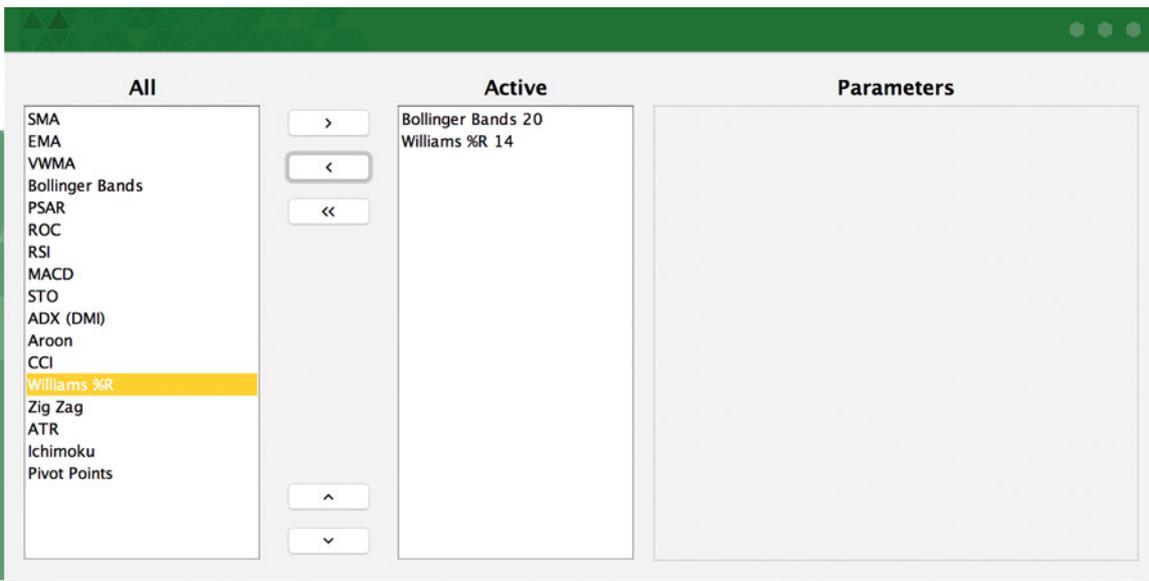
The button with the gear opens Chart tools sub-menu.



In this sub-menu you can choose the most convenient chart appearance from among several types of available charts: OHLC (Open, High, Low, Close – names of quotations for a basic price chart), Lines or Candlesticks.



Clicking on the 'Indicators' button evokes a dialog window where you can pick some of the indicators that will help you analyze the chart. Currently, seventeen indicators are available in the desktop application.



These indicators are currently available:

- SMA – Simple Moving Average.
- EMA – Exponential Moving Average.
- VWMA – Volume-Weighted Moving Average.
- Bollinger Bands – Band plotted two standard deviations away from a simple moving average.
- PSAR – Parabolic Start And Reverse.
- ROC – Rate Of Change.

- RSI – Relative Strength Index.
- MACD – Moving Average Convergence/Divergence.
- STO –Stochastic Oscillator.
- ADX (DMI) – Average Directional Index.
- Aroon – Aroon Indicator.
- CCI – Commodity Channel Index.
- Williams %R – Momentum indicator that measures overbought and oversold levels.
- Zig Zag – Trend following indicator that is used to predict when a given security’s momentum is reversing.
- ATR – the Average True Range (indicator that measures volatility.)
- Ichimoku – Financial indicator that defines support and resistance, identifies trend direction, gauges momentum and provides trading signals.
- Pivot Points – Provide reference points (support and resistance) and help minimize the trading risk.

Besides indicators and drawings, the Chart features 5 buttons that change the appearance of the chart. To find them, press the settings button:



The first button shows or hides working orders.

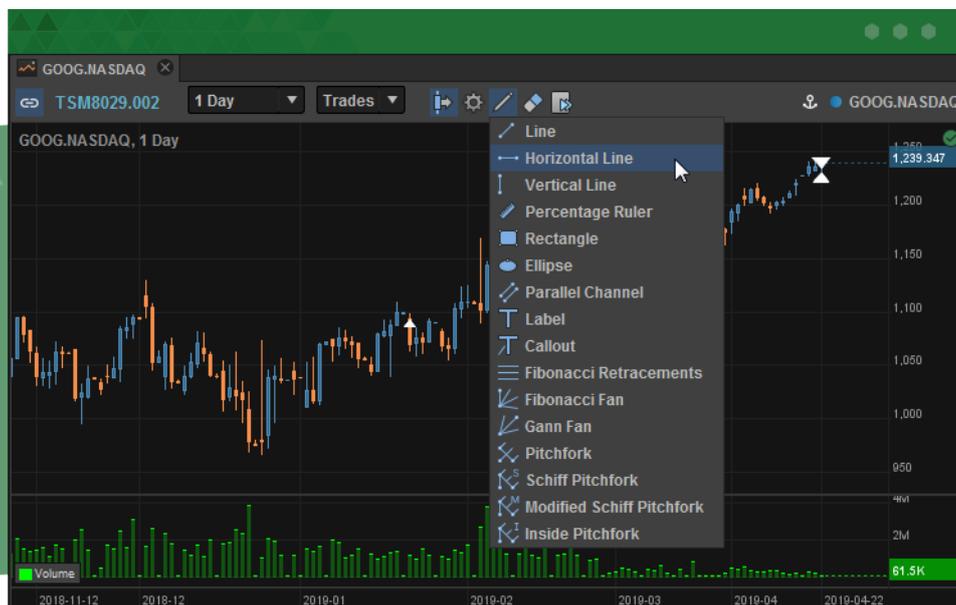
The second button shows or hides filled orders (trades).

The third one enables or disables a vertical cursor line on the pointer and a window with information at any chosen point in time: Open (open price), High (high price), Low (low price), and Close (close price).

The fourth one enables or disables a horizontal cursor line on the pointer and a window with information at any chosen point in time: Open (open price), High (high price), Low (low price), and Close (close price).

The fifth button shows or hides chart intervals that implies pauses in trading (non-working hours, holidays, etc.)

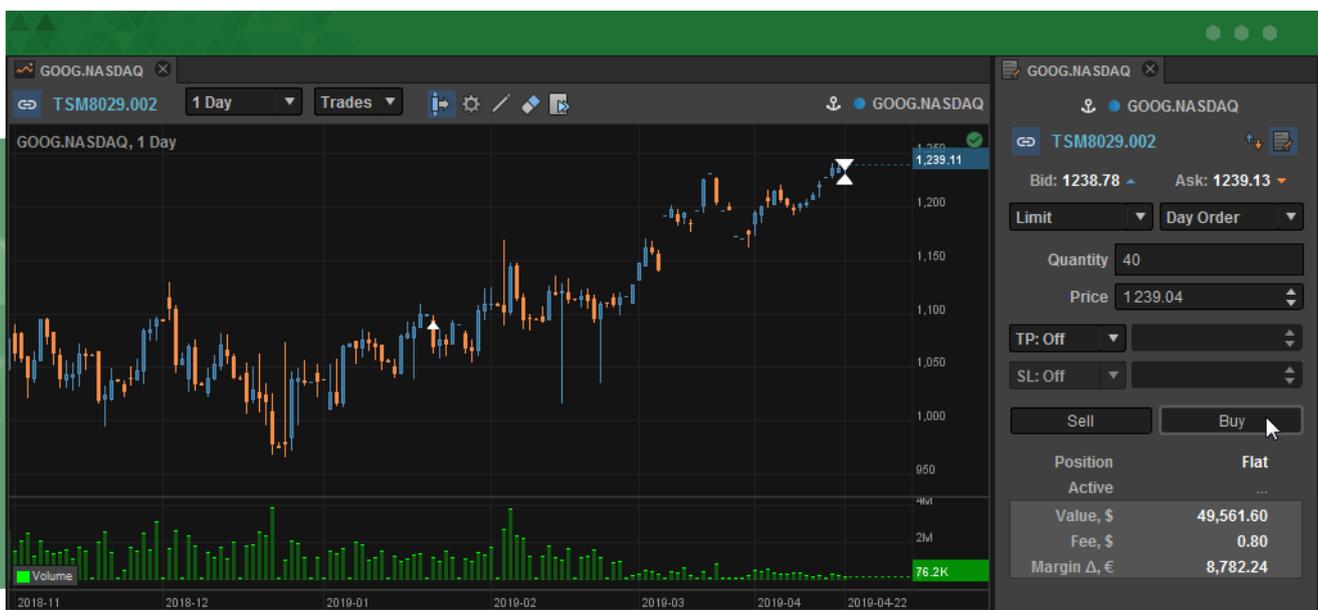
In addition to the pre-set indicators, you can also draw figures that help you analyze the chart:



After drawing, you can erase any line, ruler, etc. with the eraser button . You can copy the data, or even download the Chart data directly into Excel. To do that, press the button and choose the desired option.

EXANTE trading platform allows you to open, modify or close your limit orders by clicking on the chart price axis. The chart is cursor-sensitive, so when you click on the vertical axis you create an order at the selected price level. It will directly appear in the 'Order' module that will show up on the right side of your chart. Next, you specify the quantity you wish to trade and push the 'Sell' or 'Buy' button. Your orders will directly appear as tags on the chart price axis: sell and buy orders are marked with different colors.

You can place not only 'Limit', but also 'Stop' orders on the chart. Click on the price you need on the axis, and it will be added to the Click Trade module as the price for your future order: a simple click will add it to the limit order, while an Alt+click will turn it into a Stop order.

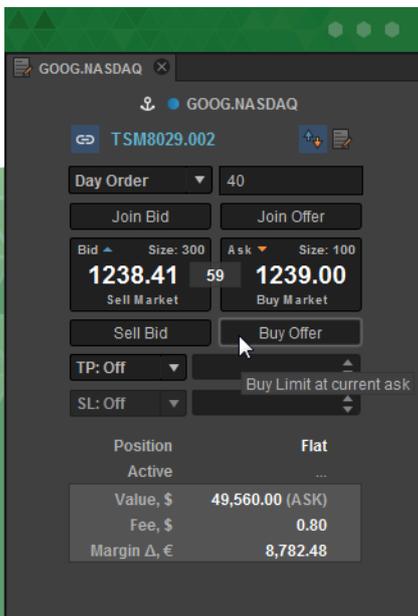


You can place both single and multiple orders of the same quantity from the same chart. Your current quantity will automatically be saved for all your next trades until you change it.

To cancel your order, just click on it and push on the red cross that appears next to it.

4.4 Click Trade

The Click Trade module can be used to perform trades quickly.



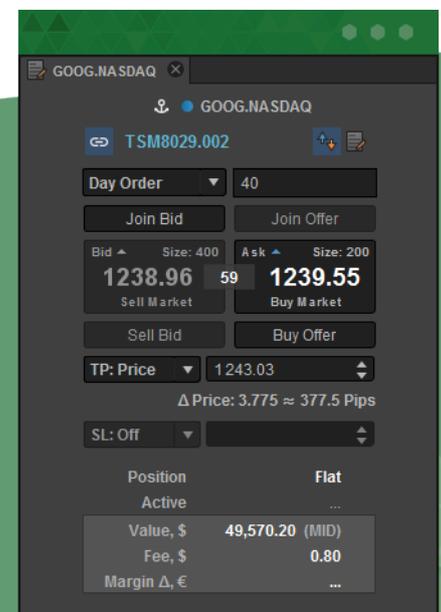
With the Click Trade module, trading is as simple as it gets: all you need to do is drag an instrument to this module with the mouse pointer, specify the quantity, and click Sell Market or Buy Market.

The Click Trade module also lets you create a buy or sell limit order to be filled at the best price. Click the Join Offer button to create a limit order for the sale of the specified quantity of instruments at the Ask price. Click the Join Bid button to create a limit order for the purchase of the specified quantity of instruments at the Bid price.

Click the Buy Offer button to create a limit order for the purchase of the specified quantity of instruments at the Ask price. Click the Sell Bid button to create a limit order for the sale of the specified quantity of instruments at the Bid price.

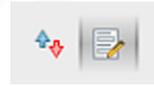
It is also possible to place 'clever' Take Profit (TP) / Stop Loss (SL) orders from the lower panel of the Click Trade and Order modules. TP is an order that closes a previously opened position at a price more profitable for the customer than the price at the time of placing the order. SL is an order that closes a previously opened position at a price less profitable for the customer than the price at the time of placing the order. After entering the number of assets you want to buy or sell, specify the type of your order: you can choose a TP or SL at a specific price, choose the desired price change in absolute values or in pips. If you choose pips, please make sure you enter integers.

The lower information window shows the summary of your order once you specify the details. The platform automatically calculates the total value, the invoked fee and the margin change when you hover the button you are going to press.





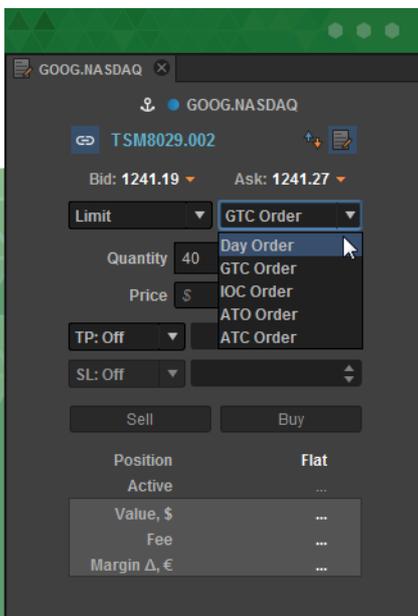
You can switch to the detailed trading window Order by clicking on icon



If you drag an instrument from the Account Summary module or the Current Orders module to the Click Trade module, the application will automatically set the quantity of instruments that matches the quantity in your account.

4.5 Order

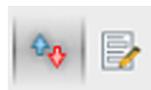
In addition to the Click Trade module, the application also offers the regular Order interface where you can specify the type of order, the period when the order should be filled (Day, GTC, IOC, FOK, ATO, ATC, depending on the type of instrument and market), the quantity and closing price, and also the order side (buy or sell).



ATO (At the Open Order) – An order to buy or sell a stock at the opening price. ATO order is allowed during pre-open sessions (morning and afternoon) or even the night before.

ATC (At the Close Order) – An order to buy or sell a stock at the closing price. One of the benefits to this type of order is that it can be placed prior to the actual end of the trading day requested. This would be the opposite of an At the Open order.

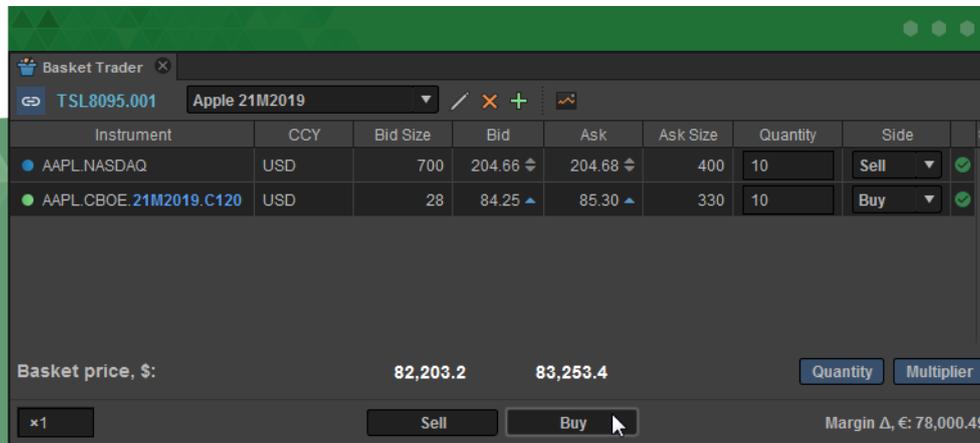
You can switch to ClickTrade using icon



The Order module allows placing TP/SL orders and shows projected fees and margins just like the Click Trade module.

4.6 Basket Trader

Basket Trader lets you trade in multiple instruments at once at the Market Price.



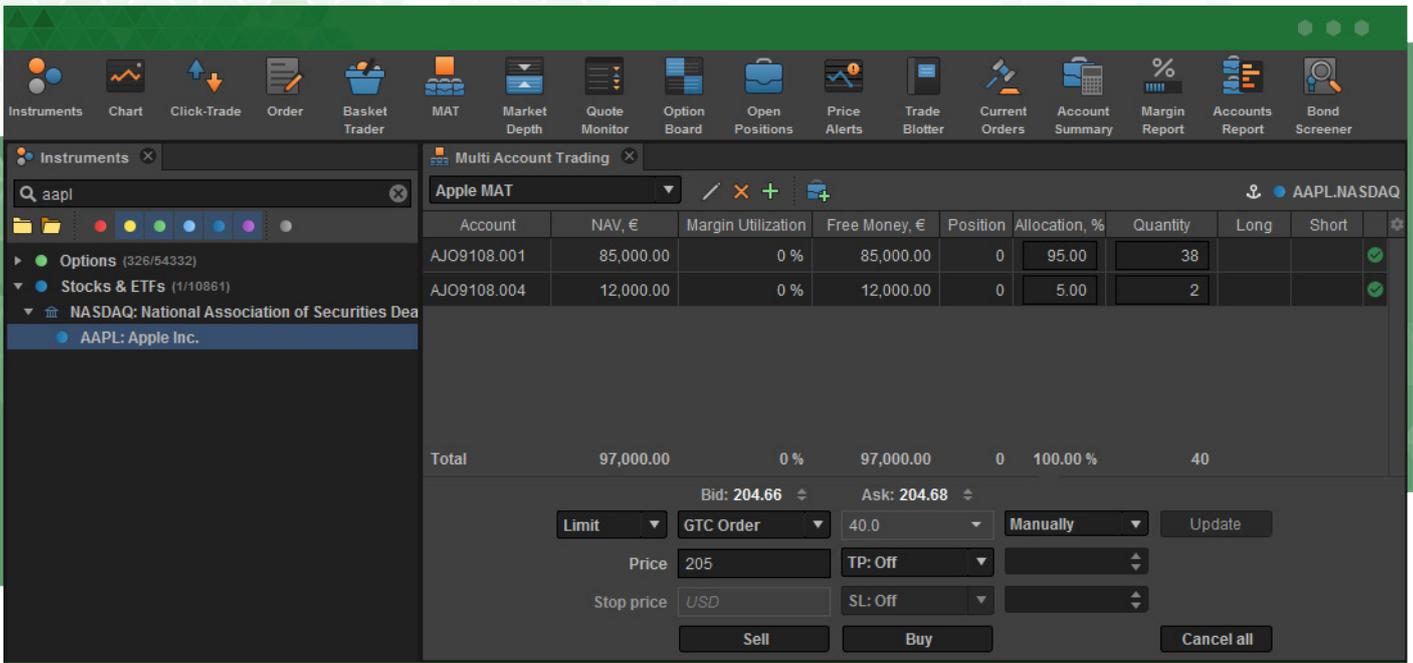
To trade using Basket Trader, you have to add instruments by dragging them into it. You can then specify the quantity for each one of the instruments and the side of the trade for each specific instrument (buy or sell). You can set the multiplier for the basket overall volume.

To perform a trade, click Buy or Sell. Please note that if you choose to Sell any one of the instruments and then click Sell for the entire basket, the instrument in question will be bought, not sold. Take this into account when managing your Basket Trader.

As to the Quantity and Multiplier buttons, they both change the displayed cost of the basket. If they both are inactive, the basket price is shown for 1 item of each asset. Otherwise, the sum is affected by the activated parameter. Please note that the Quantity and Multiplier **buttons do not affect** the actual sum of your order.

4.7 MAT – Multi-Account Trading

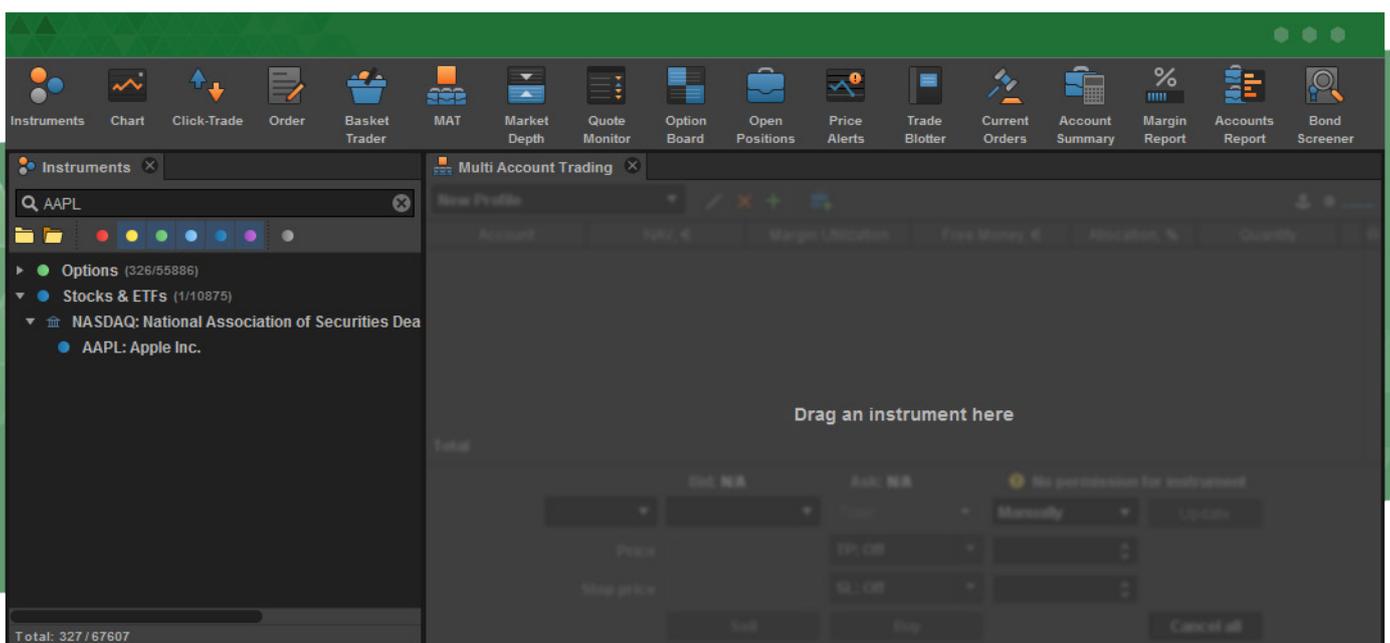
MAT allows you to place orders for a chosen financial instrument on several accounts, therefore, saving time for those who either implement different strategies at a time or handle their clients' accounts.



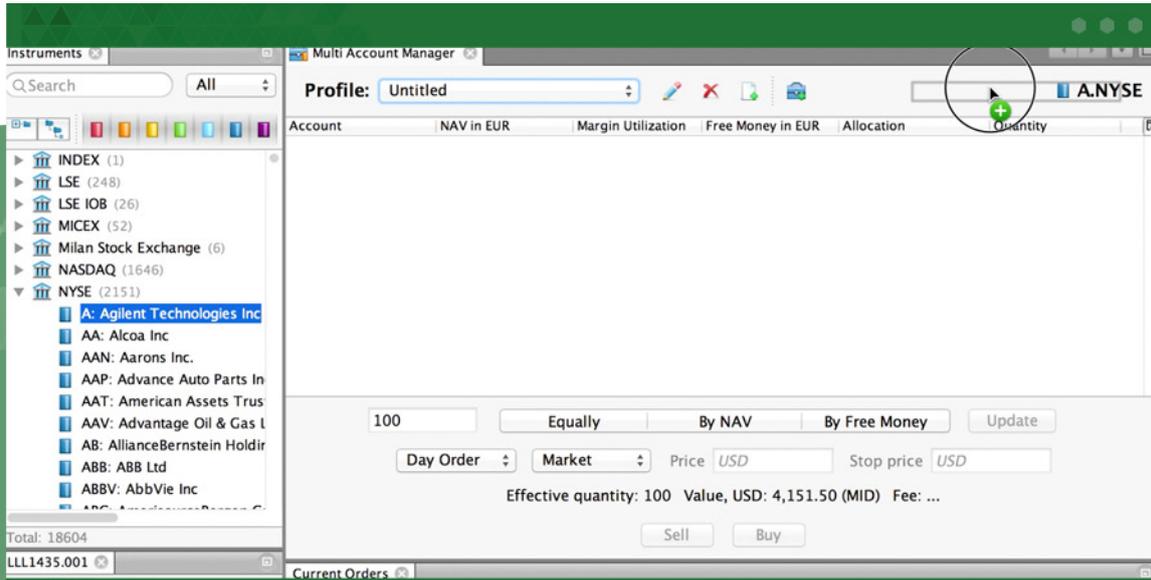
The multi-account trading module shows accounts that are used for buying/selling the instrument, net asset value, margin utilization, free money, value and allocation. Allocation shows in which proportion each account contributes to the asset purchasing and is calculated automatically. Trading amount per each account may be set manually or allocated according to one of chosen allocation methods.

The multi-account trading module is extremely easy to use, just follow the below steps:

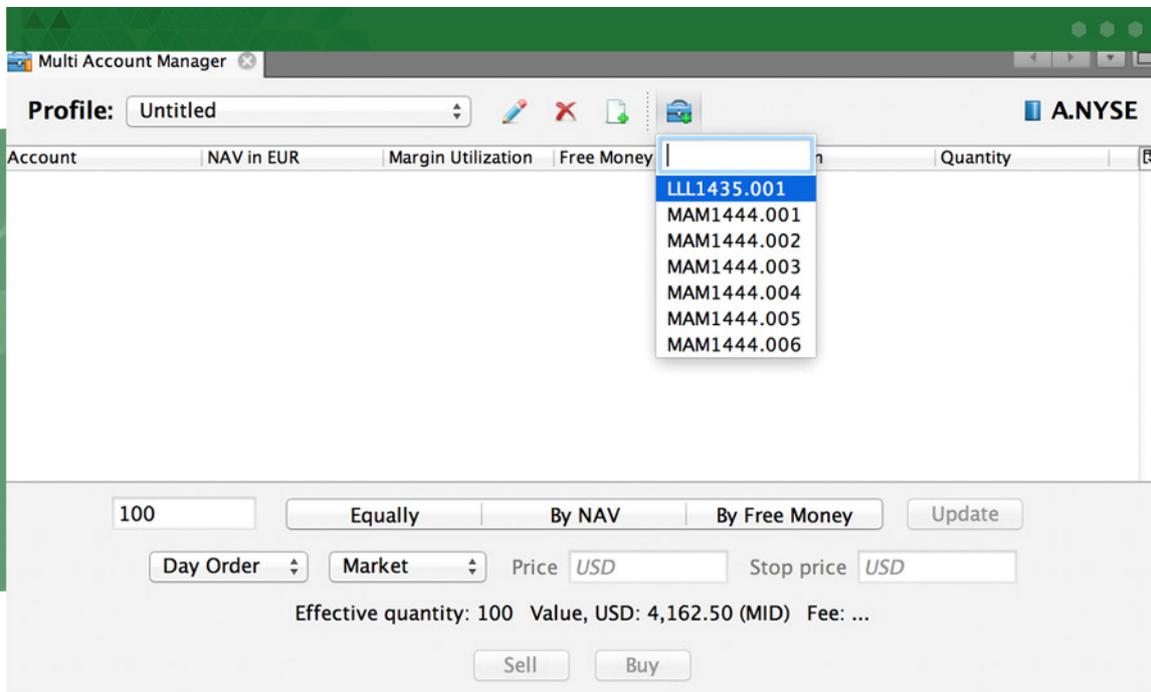
1. Open the MAT module in the instruments panel.



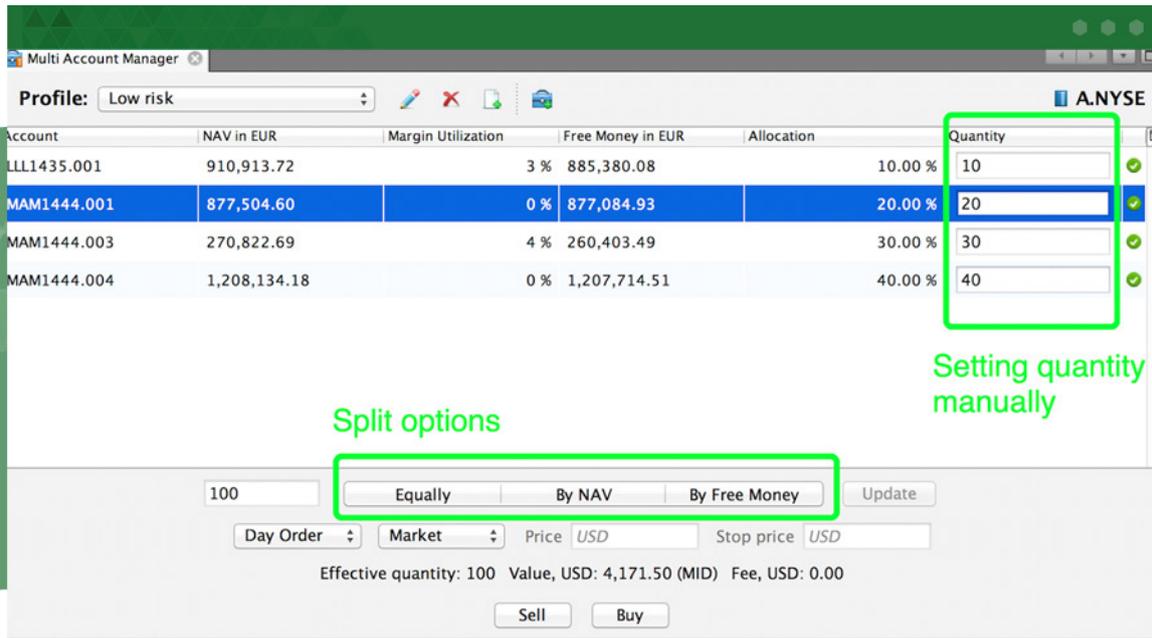
2. Choose the financial instrument you would like to trade and drag and drop it to the MAT tab.



3. Add the accounts you would like to use for trading.



4. Enter their “total quantity” to indicate the overall amount traded and that will be split among the accounts, or duplicate the “quantity” for each account separately.

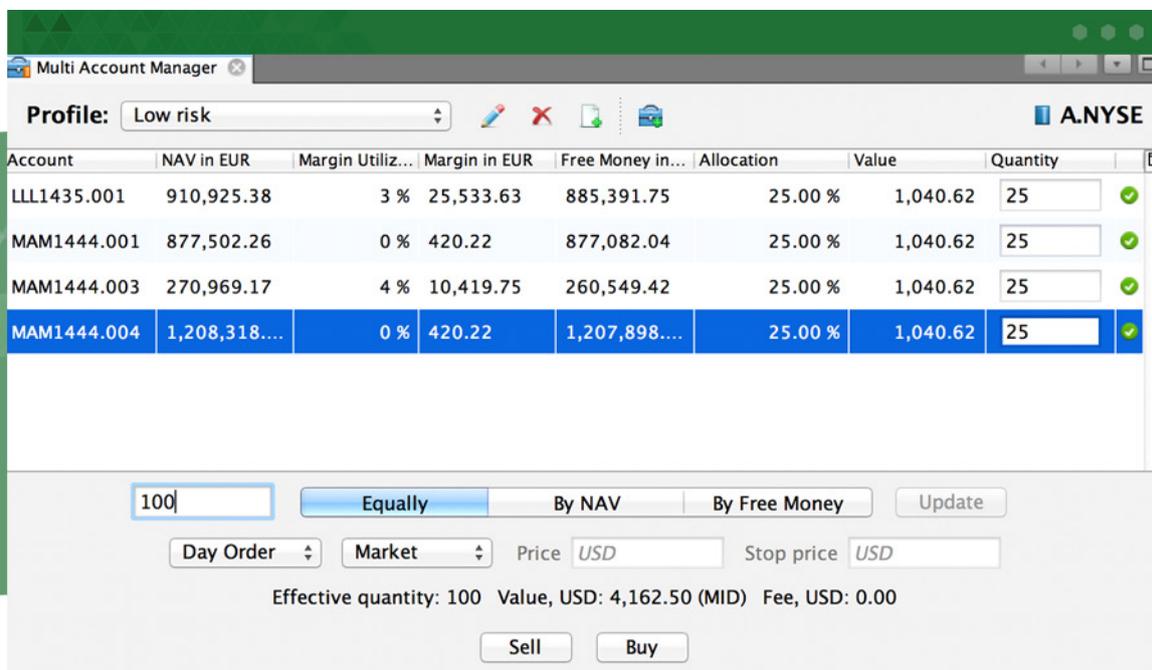


The screenshot shows the 'Multi Account Manager' window with a 'Profile' of 'Low risk'. A table lists four accounts with their NAV, Margin Utilization, Free Money, and Allocation. The 'Quantity' column has input fields for each account, with the value '20' entered for MAM1444.001. A green box highlights these input fields with the text 'Setting quantity manually'. Below the table, the 'Split options' section shows a total quantity of '100' and three allocation methods: 'Equally', 'By NAV', and 'By Free Money'. The 'Equally' option is selected and highlighted with a green box. The 'Effective quantity' is 100, and the 'Value, USD' is 4,171.50 (MID). There are 'Sell' and 'Buy' buttons at the bottom.

Account	NAV in EUR	Margin Utilization	Free Money in EUR	Allocation	Quantity
LLL1435.001	910,913.72	3 %	885,380.08	10.00 %	10
MAM1444.001	877,504.60	0 %	877,084.93	20.00 %	20
MAM1444.003	270,822.69	4 %	260,403.49	30.00 %	30
MAM1444.004	1,208,134.18	0 %	1,207,714.51	40.00 %	40

5. In case you have entered “total quantity”, select one of the below allocation methods:

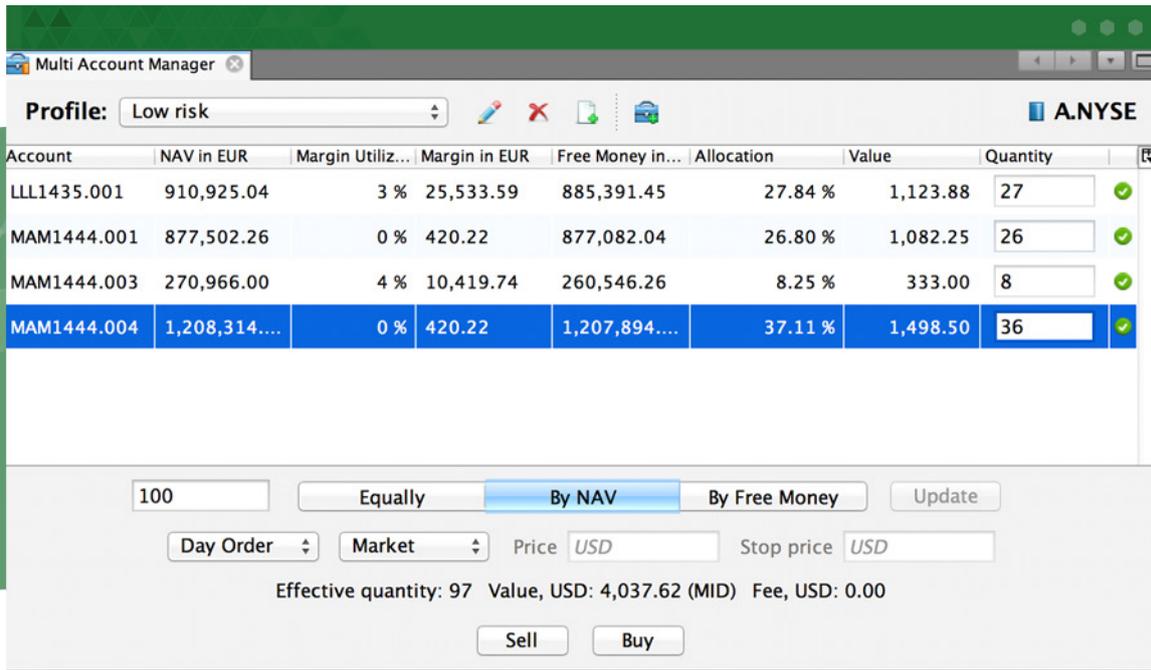
- Equally - “total quantity” is divided in the same proportion between the accounts.



The screenshot shows the 'Multi Account Manager' window with a 'Profile' of 'Low risk'. The table now shows a total quantity of '100' and an allocation of '25.00 %' for each of the four accounts. The 'Quantity' column has input fields for each account, with the value '25' entered for MAM1444.001. The 'Equally' allocation method is selected and highlighted with a blue box. The 'Effective quantity' is 100, and the 'Value, USD' is 4,162.50 (MID). There are 'Sell' and 'Buy' buttons at the bottom.

Account	NAV in EUR	Margin Utiliz...	Margin in EUR	Free Money in...	Allocation	Value	Quantity
LLL1435.001	910,925.38	3 %	25,533.63	885,391.75	25.00 %	1,040.62	25
MAM1444.001	877,502.26	0 %	420.22	877,082.04	25.00 %	1,040.62	25
MAM1444.003	270,969.17	4 %	10,419.75	260,549.42	25.00 %	1,040.62	25
MAM1444.004	1,208,318....	0 %	420.22	1,207,898....	25.00 %	1,040.62	25

- NAV - “total quantity” is divided among the accounts proportionally to their NAV.



Multi Account Manager Profile: Low risk A.NYSE

Account	NAV in EUR	Margin Utiliz...	Margin in EUR	Free Money in...	Allocation	Value	Quantity
LLL1435.001	910,925.04	3 %	25,533.59	885,391.45	27.84 %	1,123.88	27
MAM1444.001	877,502.26	0 %	420.22	877,082.04	26.80 %	1,082.25	26
MAM1444.003	270,966.00	4 %	10,419.74	260,546.26	8.25 %	333.00	8
MAM1444.004	1,208,314....	0 %	420.22	1,207,894....	37.11 %	1,498.50	36

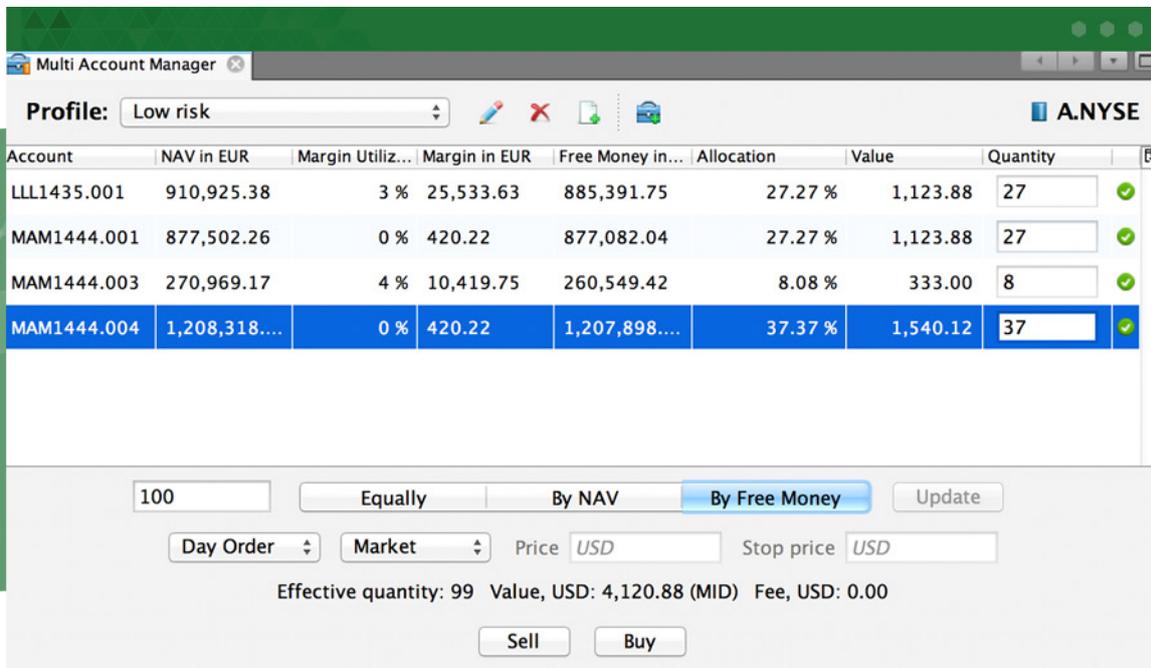
100 Equally **By NAV** By Free Money Update

Day Order Market Price USD Stop price USD

Effective quantity: 97 Value, USD: 4,037.62 (MID) Fee, USD: 0.00

Sell Buy

- Free money - “total quantity” is split between accounts proportionally to their free money.



Multi Account Manager Profile: Low risk A.NYSE

Account	NAV in EUR	Margin Utiliz...	Margin in EUR	Free Money in...	Allocation	Value	Quantity
LLL1435.001	910,925.38	3 %	25,533.63	885,391.75	27.27 %	1,123.88	27
MAM1444.001	877,502.26	0 %	420.22	877,082.04	27.27 %	1,123.88	27
MAM1444.003	270,969.17	4 %	10,419.75	260,549.42	8.08 %	333.00	8
MAM1444.004	1,208,318....	0 %	420.22	1,207,898....	37.37 %	1,540.12	37

100 Equally By NAV **By Free Money** Update

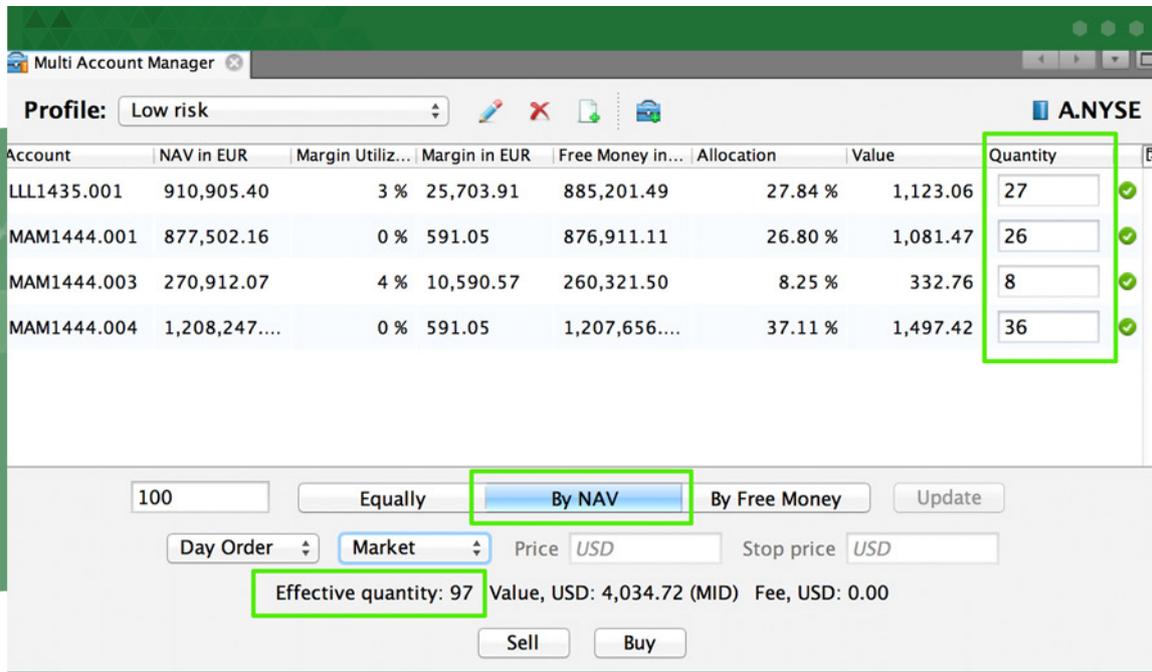
Day Order Market Price USD Stop price USD

Effective quantity: 99 Value, USD: 4,120.88 (MID) Fee, USD: 0.00

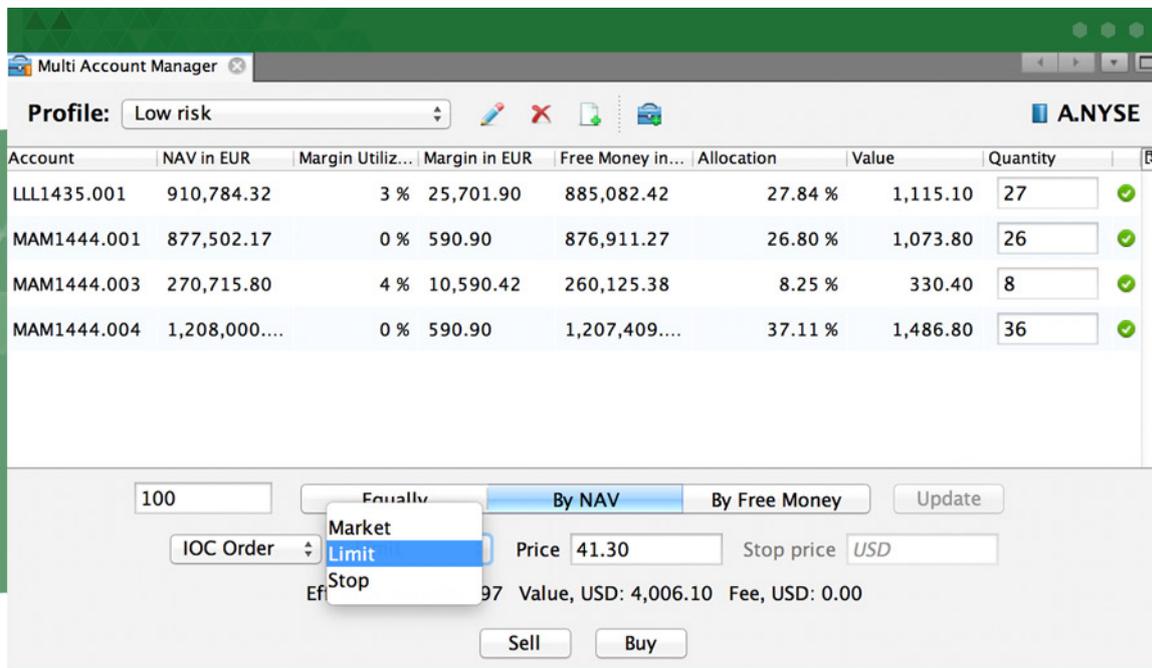
Sell Buy

The obtained result from any of the above options can also be adjusted manually.

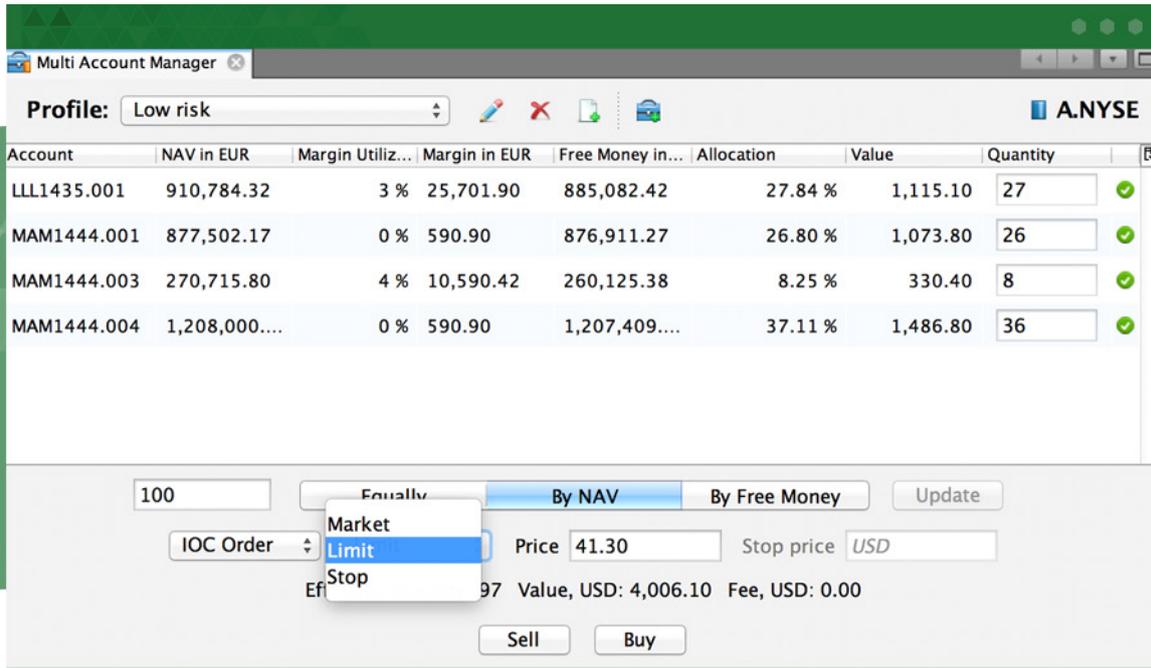
6. Verify the effective quantity. There might be the case when «effective quantity» and «total quantity» differ from each other. For example: you have 3 accounts in the MAT module and you want to enter the trade with 100 stocks. By selecting “equally” as a split option, you will have 33 stocks per each account, thus, the effective QTY will be 99.



7. Select the order parameters such as order type, order duration, price and stop price.

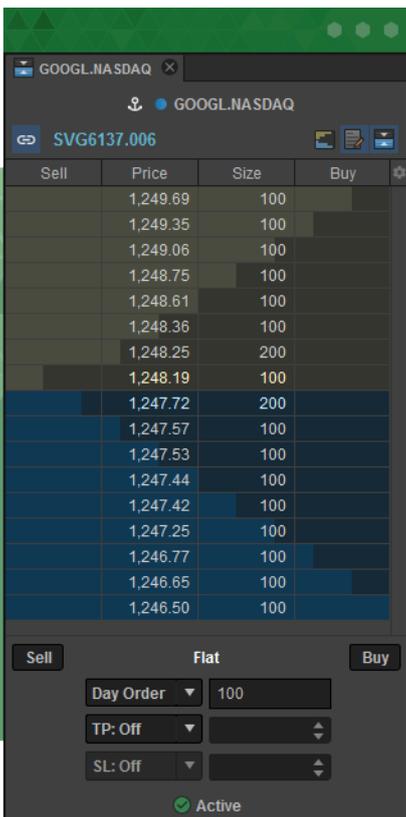


8. Click the “Buy” (or “Sell”) button to place the orders. By doing so, you will place a separate order for each of the accounts.



4.8 Market Depth

MAT allows you to place orders for a chosen financial instrument on several accounts, therefore, saving time for those who either implement different strategies at a time or handle their clients’ accounts.



The Market Depth module shows a queue of requests to purchase or sell for the selected instrument pending on the market.

To choose an instrument, drag it onto the module window. The module displays the following details for each position: Desc (operation direction: requests to sell (A) or requests to buy (B)), Price (the cost of instrument), Volume (the number of instrument). Besides, you can left click on the module or simply click a button in the top right corner to make the Market Depth module display the spread between sell and buy.

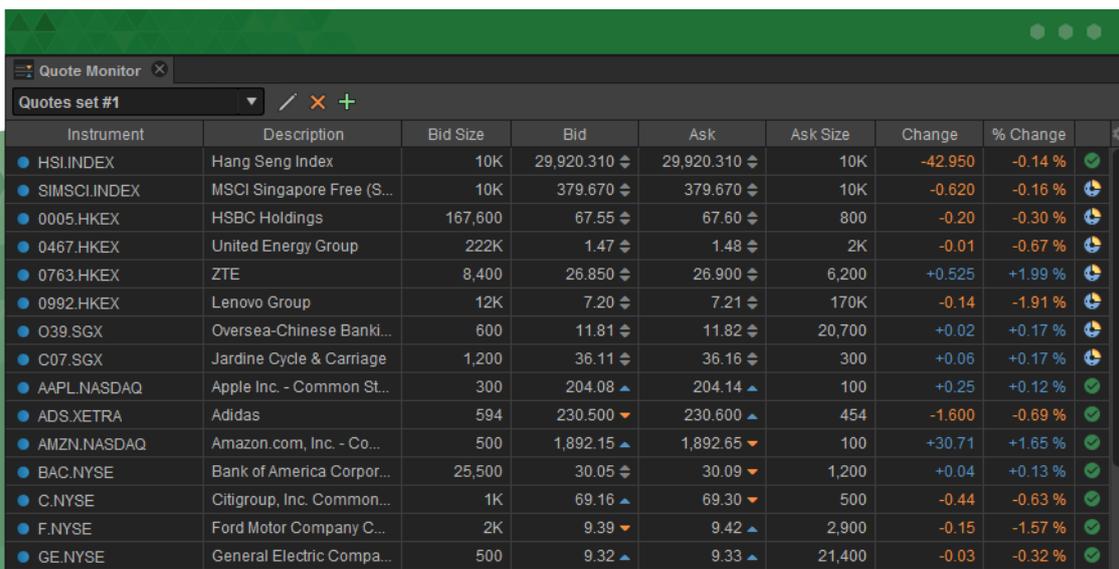
You can place Sell / Buy Limit and Stop orders right from the Market Depth table. For Limit orders, after you specify the quantity you want to buy or sell, push the corresponding button opposite to the price that suits you, and your order will instantly appear in the Current Orders module waiting for execution. If you want to place a Stop order, press Alt and click the button in the Market depth module simultaneously.

This module also allows placing clever Take Profit / Stop Loss orders from the lower panel of the section. After entering the quantity of assets you want to buy or sell, specify the type of your order: you can choose a specific price, the desired price change in absolute values or in pips. If you choose pips, please make sure you enter integers.

If you do not need the trading section in your Market depth module, just de-press the button, and it will be hidden.

4.9 Quote Monitor

The Quote Monitor module helps you to keep track of the ask and bid prices along with the price Up and Down indicators for the relevant instruments. To add the instruments, you need drag them from the Instruments module to the Quote Monitor module.



Instrument	Description	Bid Size	Bid	Ask	Ask Size	Change	% Change	
HSI.INDEX	Hang Seng Index	10K	29,920.310 ↕	29,920.310 ↕	10K	-42.950	-0.14 %	🟢
SIMSCI.INDEX	MSCI Singapore Free (S...	10K	379.670 ↕	379.670 ↕	10K	-0.620	-0.16 %	🌐
0005.HKEX	HSBC Holdings	167,600	67.55 ↕	67.60 ↕	800	-0.20	-0.30 %	🌐
0467.HKEX	United Energy Group	222K	1.47 ↕	1.48 ↕	2K	-0.01	-0.67 %	🌐
0763.HKEX	ZTE	8,400	26.850 ↕	26.900 ↕	6,200	+0.525	+1.99 %	🌐
0992.HKEX	Lenovo Group	12K	7.20 ↕	7.21 ↕	170K	-0.14	-1.91 %	🌐
O39.SGX	Oversea-Chinese Banki...	600	11.81 ↕	11.82 ↕	20,700	+0.02	+0.17 %	🌐
C07.SGX	Jardine Cycle & Carriage	1,200	36.11 ↕	36.16 ↕	300	+0.06	+0.17 %	🌐
AAPL.NASDAQ	Apple Inc. - Common ST...	300	204.08 ▲	204.14 ▲	100	+0.25	+0.12 %	🟢
ADS.XETRA	Adidas	594	230.500 ▼	230.600 ▲	454	-1.600	-0.69 %	🟢
AMZN.NASDAQ	Amazon.com, Inc. - Co...	500	1,892.15 ▲	1,892.65 ▼	100	+30.71	+1.65 %	🟢
BAC.NYSE	Bank of America Corpor...	25,500	30.05 ↕	30.09 ▼	1,200	+0.04	+0.13 %	🟢
C.NYSE	Citigroup, Inc. Common...	1K	69.16 ▲	69.30 ▼	500	-0.44	-0.63 %	🟢
F.NYSE	Ford Motor Company C...	2K	9.39 ▼	9.42 ▲	2,900	-0.15	-1.57 %	🟢
GE.NYSE	General Electric Compa...	500	9.32 ▲	9.33 ▲	21,400	-0.03	-0.32 %	🟢

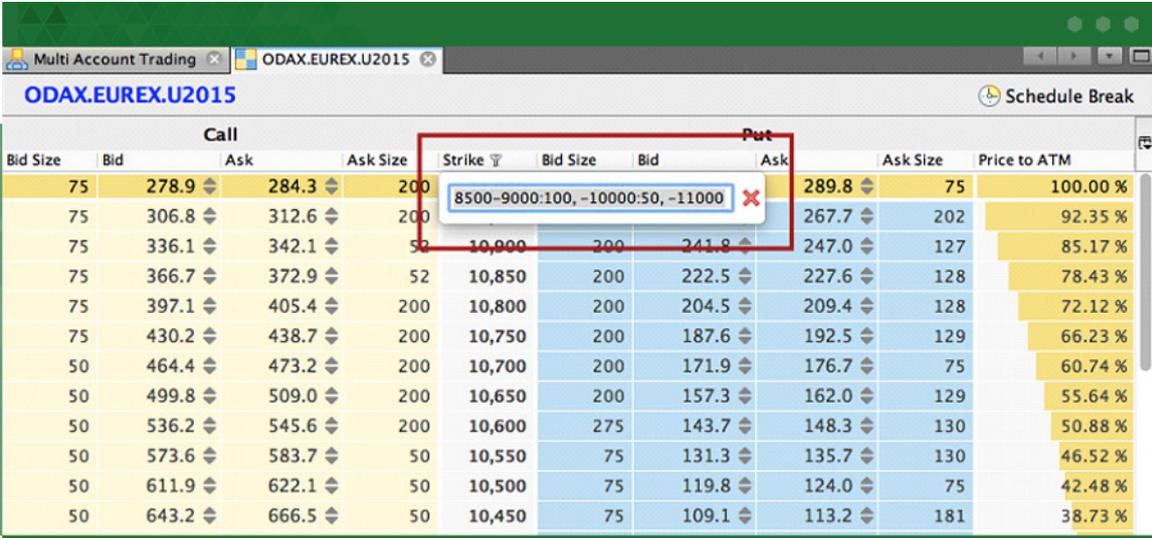
This module displays the following information for each instrument: Instrument (name of instrument), Description, Bid Yield, Ask Yield, Bid Size (quantity of instruments to sell), Bid (instrument bid price with a price direction change indicator), Last (price), Ask (instrument ask price with a price direction change indicator), Ask Size (quantity of instruments to buy), Change (absolute daily change), % Change (daily percentage change), Open Interest, Status (current market activity status) and many other data sets. Press the gear icon in the top-right corner to view the full list of possible columns.

At the bottom of the table you can see the name of the underlying instrument and its projected price. By right-clicking on its name, you can jump to other modules that would contain information about it.

The data from the Option Board can be copied as text or exported to MS Excel by pushing  button and choosing an option.

The column set can be adjusted by clicking the icon under the market activity indicator, .

The Strike column features a flexibly customizable filter, which will allow you to pick out only those options that fully suit you by contract execution prices. To use this filter, press the icon near the Strike column name and fill in the field in accordance with the format shown in the field placeholder, 'From - To : Step, ...': enter the lower and the upper limit of the interval you want to explore separated by a dash, and add the desired step between two nearby results after a colon.



The screenshot shows the 'ODAX.EUREX.U2015' window with a 'Schedule Break' indicator. The table is split into 'Call' and 'Put' sections. A filter is applied to the 'Strike' column, showing a text input field with the value '8500-9000:100, -10000:50, -11000'. The table columns include Bid Size, Bid, Ask, Ask Size, Strike, Bid, Ask, Ask Size, and Price to ATM.

Call				Put				Price to ATM
Bid Size	Bid	Ask	Ask Size	Strike	Bid Size	Bid	Ask	
75	278.9	284.3	200	8500-9000:100, -10000:50, -11000				100.00 %
75	306.8	312.6	200			267.7	202	92.35 %
75	336.1	342.1	50	10,900	200	241.8	247.0	85.17 %
75	366.7	372.9	52	10,850	200	222.5	227.6	78.43 %
75	397.1	405.4	200	10,800	200	204.5	209.4	72.12 %
75	430.2	438.7	200	10,750	200	187.6	192.5	66.23 %
50	464.4	473.2	200	10,700	200	171.9	176.7	60.74 %
50	499.8	509.0	200	10,650	200	157.3	162.0	55.64 %
50	536.2	545.6	200	10,600	275	143.7	148.3	50.88 %
50	573.6	583.7	50	10,550	75	131.3	135.7	46.52 %
50	611.9	622.1	50	10,500	75	119.8	124.0	42.48 %
50	643.2	666.5	50	10,450	75	109.1	113.2	38.73 %

Any of these parameters can easily be omitted, e.g. you can enter '-100:2' to view all strikes up to 100 from the lowest value available for the chosen options with a step of 2. Add a second interval by separating it from the first one with a comma, and explore discontinuous intervals of execution prices, like in the picture above.

EXANTE Option Board features another important peculiarity: it displays widespread indicators called Greeks. The implied volatility (IV) is measured in percent and displayed as a histogram:



The screenshot shows a table with columns for Bid, Ask, Strike, Bid, Ask, and IV. The IV column is highlighted in yellow, indicating it is the active histogram.

Call			Put			IV
Bid	Ask	Strike	Bid	Ask		
219.1	231.1	1,045	3.2	4.0	18.50 %	
223.9	235.9	1,040	3.0	3.7	18.58 %	
228.7	240.6	1,035	2.8	3.5	18.71 %	
233.5	245.4	1,030	2.6	3.3	18.75 %	

We calculate delta, which is a measure of the change in an option's price resulting from a change in the underlying asset, and gamma, delta's rate of change.

Theta that measures the rate of decline of premium resulting from the passage of time is also available. We calculate theta for each day in price points. The last indicator added this time is vega; it quantifies risk exposure to implied volatility changes. It's calculated in price points per one percentage point of IV change.

They all can be found under the icon in the right-upper corner of the Option Board table.

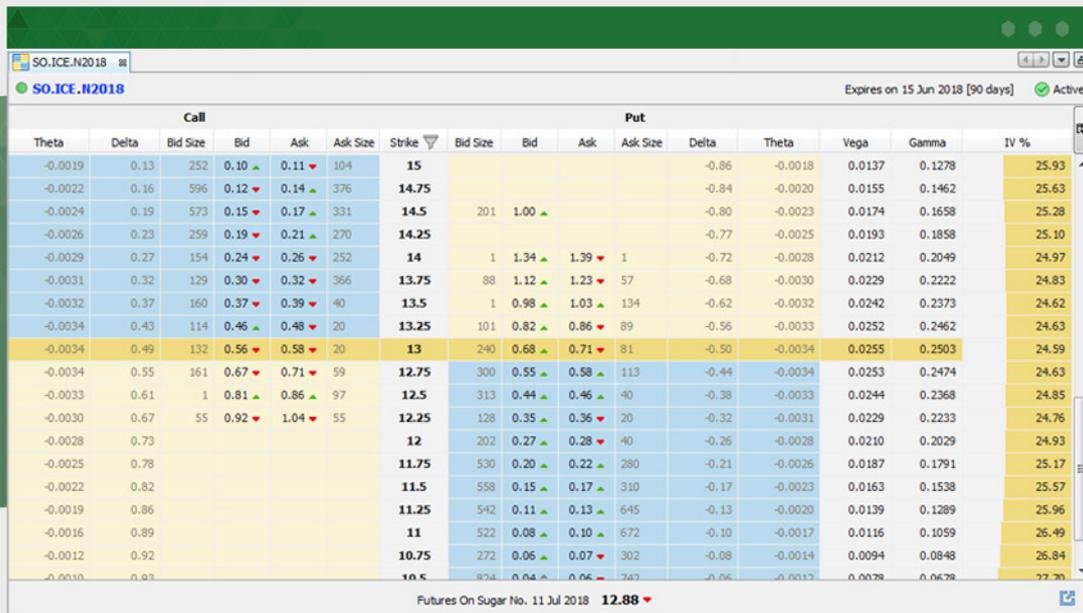
The Greeks are calculated based on the generalized Black model (Wiki) individually for each strike. We stick to the following rules:

- The implied volatility is calculated for only out-of-the-money options based on the average quote between bid and ask;
- To calculate the time to option expiration we use calendar dates with the accuracy of one second;
- The risk-free rate is calculated based on the average box spreads for those SPX options with such expiration dates that allow defining the market price using bid and ask due to sufficient liquidity;
- The rate for unrepresentative expirations is extrapolated cubically.

We use the underlying asset's forward price calculated based on put-call parity. This way we can take account of the expected dividends without using the dividend yield forecasts provided by third parties. This allows us to make more precise estimates.

At the moment IV and Greeks are calculated only within a trading session for options with underlying assets denominated in dollars and euros.

E.g., take options on Sugar №11 expiring in June 2018 (SO.ICE.N2018.)



Call							Put								
Theta	Delta	Bid Size	Bid	Ask	Ask Size	Strike	Bid Size	Bid	Ask	Ask Size	Delta	Theta	Vega	Gamma	IV %
-0.0019	0.13	252	0.10 ▲	0.11 ▼	104	15					-0.86	-0.0018	0.0137	0.1278	25.93
-0.0022	0.16	596	0.12 ▼	0.14 ▲	376	14.75					-0.84	-0.0020	0.0155	0.1462	25.63
-0.0024	0.19	573	0.15 ▼	0.17 ▲	331	14.5	201	1.00 ▲			-0.80	-0.0023	0.0174	0.1658	25.28
-0.0026	0.23	259	0.19 ▼	0.21 ▲	270	14.25					-0.77	-0.0025	0.0193	0.1858	25.10
-0.0029	0.27	154	0.24 ▼	0.26 ▼	252	14	1	1.34 ▲	1.39 ▼	1	-0.72	-0.0028	0.0212	0.2049	24.97
-0.0031	0.32	129	0.30 ▼	0.32 ▼	366	13.75	88	1.12 ▲	1.23 ▼	57	-0.68	-0.0030	0.0229	0.2222	24.83
-0.0032	0.37	160	0.37 ▼	0.39 ▼	40	13.5	1	0.98 ▲	1.03 ▲	134	-0.62	-0.0032	0.0242	0.2373	24.62
-0.0034	0.43	114	0.46 ▲	0.48 ▼	20	13.25	101	0.82 ▲	0.86 ▼	89	-0.56	-0.0033	0.0252	0.2462	24.63
-0.0034	0.49	132	0.56 ▼	0.58 ▼	20	13	240	0.68 ▲	0.71 ▼	81	-0.50	-0.0034	0.0255	0.2503	24.59
-0.0034	0.55	161	0.67 ▼	0.71 ▼	59	12.75	300	0.55 ▲	0.58 ▲	113	-0.44	-0.0034	0.0253	0.2474	24.63
-0.0033	0.61	1	0.81 ▲	0.86 ▲	97	12.5	313	0.44 ▲	0.46 ▲	40	-0.38	-0.0033	0.0244	0.2368	24.85
-0.0030	0.67	55	0.92 ▼	1.04 ▼	55	12.25	128	0.35 ▲	0.36 ▼	20	-0.32	-0.0031	0.0229	0.2233	24.76
-0.0028	0.73					12	202	0.27 ▲	0.28 ▼	40	-0.26	-0.0028	0.0210	0.2029	24.93
-0.0025	0.78					11.75	530	0.20 ▲	0.22 ▲	280	-0.21	-0.0026	0.0187	0.1791	25.17
-0.0022	0.82					11.5	558	0.15 ▲	0.17 ▲	310	-0.17	-0.0023	0.0163	0.1538	25.57
-0.0019	0.86					11.25	542	0.11 ▲	0.13 ▲	645	-0.13	-0.0020	0.0139	0.1289	25.96
-0.0016	0.89					11	522	0.08 ▲	0.10 ▲	672	-0.10	-0.0017	0.0116	0.1059	26.49
-0.0012	0.92					10.75	272	0.06 ▲	0.07 ▼	302	-0.08	-0.0014	0.0094	0.0848	26.84
-0.0010	0.93					10.5	824	0.04 ▲	0.06 ▼	747	-0.06	-0.0013	0.0078	0.0678	27.28

Futures On Sugar No. 11 Jul 2018 12.88 ▼

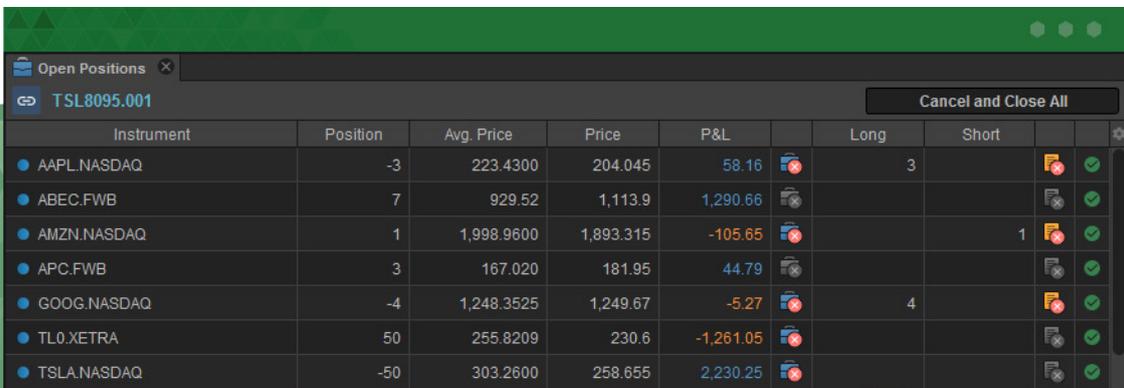
Take strike 13, Put option. Generally, the Greeks will be interpreted in the following way:

Parameter	Units	Underlying measure	Example
Delta	Point	1 point of change in the underlying asset price	Delta = - 0.50: when the price of the underlying asset increases by 1 pips, the option price will decrease by 0.5 pips
Vega	Point	1 percentage point of IV change	Vega = 0.0255: if IV changes by 1 percentage point, the option price will change by 0.0255 points
Theta	Point	1 day	Theta = - 0.034: the option price will be decreasing by 0.034 points per day
Gamma	Delta fraction	1 point of change in the underlying asset price	Gamma = 0.2503: when the underlying asset price changes by 1 pips, delta changes by 0.2503 points

4.11 Open Positions

Open Positions module allows to view and manage all open positions and all working orders easily.

The Open Positions module displays all the positions you have opened and their primary information: Instrument, Position (quantity), Average Price, Price, P&L in EUR (profit / loss in the default currency). This information is updated in real time. On top of that you will find two columns Long and Short, which show working orders information.



Instrument	Position	Avg. Price	Price	P&L	Long	Short
AAPL.NASDAQ	-3	223.4300	204.045	58.16	3	
ABEC.FWB	7	929.52	1,113.9	1,290.66		
AMZN.NASDAQ	1	1,998.9600	1,893.315	-105.65		1
APC.FWB	3	167.020	181.95	44.79		
GOOG.NASDAQ	-4	1,248.3525	1,249.67	-5.27	4	
TL0.XETRA	50	255.8209	230.6	-1,261.05		
TSLA.NASDAQ	-50	303.2600	258.655	2,230.25		

Clicking the red cross button in the first column will close any your open position. You can cancel all working orders by clicking on the red cross button in the last column. You can also close or cancel all positions at once by clicking Cancel and Close All.

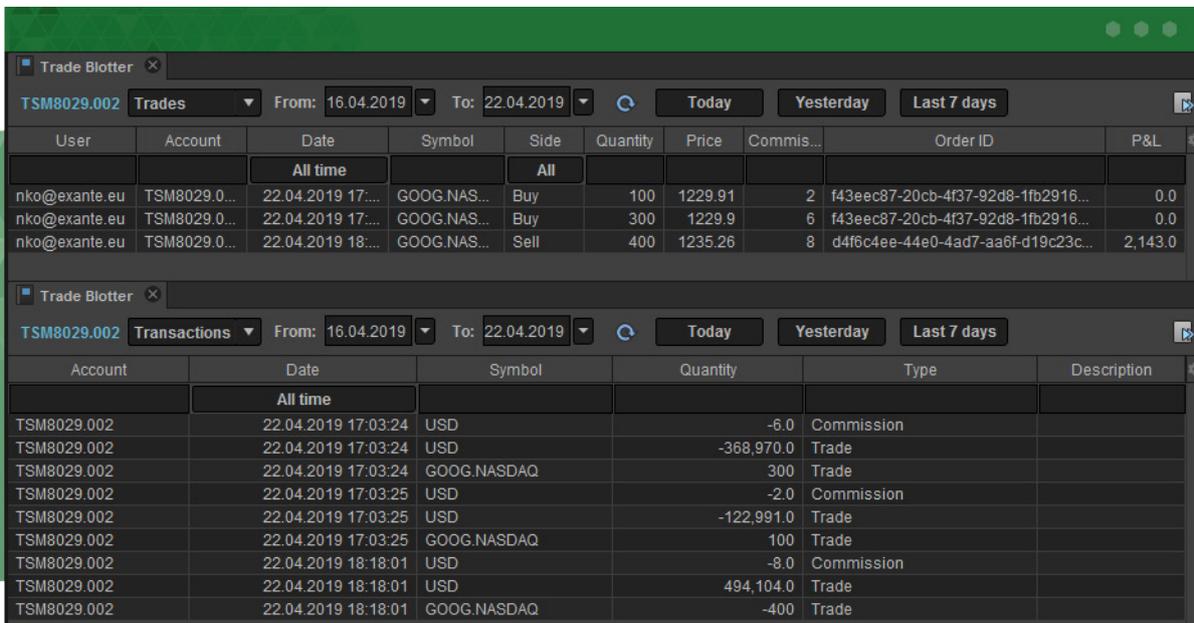
Please note that if one of your opened positions is equal or above 100,000 USD, our platform may not let you close it at market price. By disabling close option, we hedge our clients against a random cancel click that can lead to unpredictable losses. You can either close your positions partially, or close them at limit price. Positions that can't be closed related to excessive positions or due to the close of trading session will be marked with grey cross button.



ROSN.MICEX	38	226.3100	240.175	9.57		
TSLA.NASDAQ	1,000	250.3500	249.975	-375.0		

4.12 Trade Blotter

The Trade Blotter module displays information about all your trades, and offers an advanced system of filters. You can use the following criteria with the display filter: User (user name), Date (trade period – you can filter trades by period), Symbol (abbreviated symbol of the instrument), Client Account (your account), Side (trade side: buy or sell), Quantity (quantity of instruments), Price (instrument price), and Commission (size of commission).



Trade Blotter - Trades

TSM8029.002 Trades From: 16.04.2019 To: 22.04.2019 Today Yesterday Last 7 days

User	Account	Date	Symbol	Side	Quantity	Price	Commis...	Order ID	P&L
		All time		All					
nko@exante.eu	TSM8029.0...	22.04.2019 17:...	GOOG.NAS...	Buy	100	1229.91	2	f43eec87-20cb-4f37-92d8-1fb2916...	0.0
nko@exante.eu	TSM8029.0...	22.04.2019 17:...	GOOG.NAS...	Buy	300	1229.9	6	f43eec87-20cb-4f37-92d8-1fb2916...	0.0
nko@exante.eu	TSM8029.0...	22.04.2019 18:...	GOOG.NAS...	Sell	400	1235.26	8	d4f6c4ee-44e0-4ad7-aa6f-d19c23c...	2,143.0

Trade Blotter - Transactions

TSM8029.002 Transactions From: 16.04.2019 To: 22.04.2019 Today Yesterday Last 7 days

Account	Date	Symbol	Quantity	Type	Description
All time					
TSM8029.002	22.04.2019 17:03:24	USD		-6.0	Commission
TSM8029.002	22.04.2019 17:03:24	USD		-368,970.0	Trade
TSM8029.002	22.04.2019 17:03:24	GOOG.NASDAQ	300		Trade
TSM8029.002	22.04.2019 17:03:25	USD		-2.0	Commission
TSM8029.002	22.04.2019 17:03:25	USD		-122,991.0	Trade
TSM8029.002	22.04.2019 17:03:25	GOOG.NASDAQ	100		Trade
TSM8029.002	22.04.2019 18:18:01	USD		-8.0	Commission
TSM8029.002	22.04.2019 18:18:01	USD		494,104.0	Trade
TSM8029.002	22.04.2019 18:18:01	GOOG.NASDAQ	-400		Trade

At the top of the module, you can also switch between Trades and Transactions you've made, specify the filter period (the From and To dates) or choose fixed periods: Today, Yesterday, Last 7 days. After specifying the filter criteria (apart from Today, Yesterday



and Last 7 days), click the  button to see all trades matching the filter criteria.

You can export the filtered trade information to an Excel file, or just copy the data by clicking the corresponding button.

4.13 Current Orders

After you click the Buy or Sell button, the order appears in the Current Orders list.



	Account	Updated	Status	Type	Instrument	Side	Qua...	Price	Filled	Average Price
	TSM	All time	All	All		All				
🔄	TSM8029.002	03.04.2019 13:57:25	Working	Limit	DIS.NYSE	Buy	1	100.00	0	
🟡	TSM8029.002	22.04.2019 18:18:01	Filled	Market	GOOG.NASDAQ	Sell	400		400	1,235.26
🟡	TSM8029.002	22.04.2019 17:03:24	Filled	Market	GOOG.NASDAQ	Buy	400		400	1,229.9025

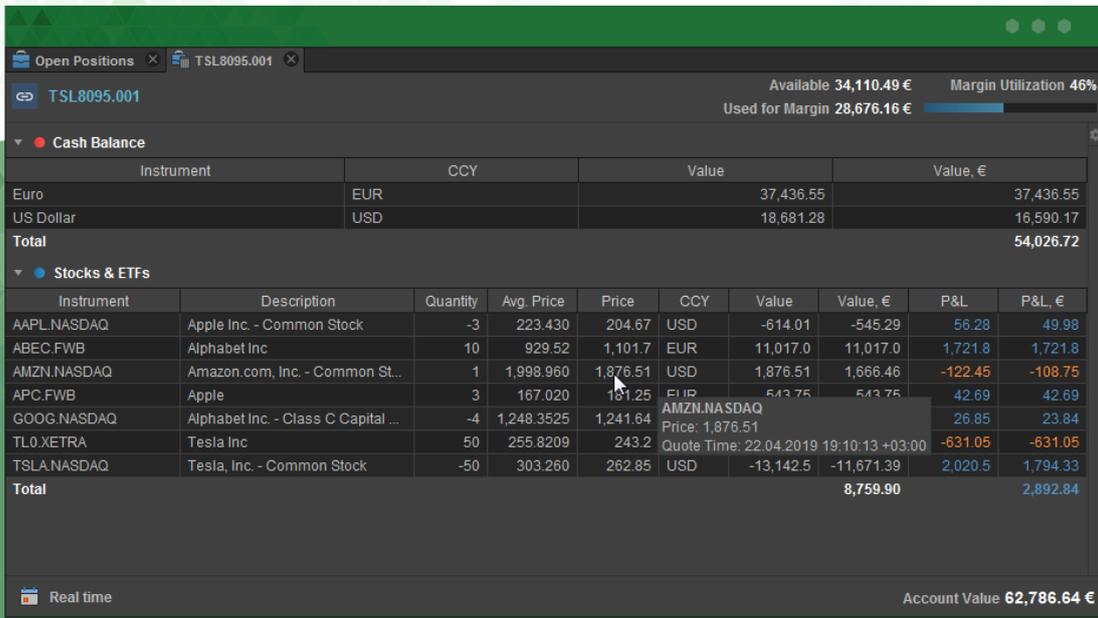
It displays the following information:

- OCO group (for TP/SL orders)
- Status icon (current status of the order)
- Order ID
- Source (ATP, FIX, Excel, Mobile, Web, or Other)
- User and Account
- Created and Updated timestamps
- Status (Pending, Placing, Working, Filled, Cancelled, or Rejected)
- Type (Market, Limit, Stop, Stop Limit, Iceberg, TWAP, and Trailing Stop)
- Duration (GTC, Day, FOC, IOK, ATO, and ATC)
- Instrument
- Side (Buy or Sell)
- Quantity (total) and Filled
- Price, Stop price, Average price.

You can filter and sort orders by any column. To do so, click the column header and select the filtering or sorting parameters.

4.14 Account Summary

The Account Summary module displays the account status information. It includes the positions, available funds, margin size, and available balance (NAV).



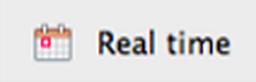
Cash Balance		Instrument	CCY	Value	Value, €
Euro			EUR	37,436.55	37,436.55
US Dollar			USD	18,681.28	16,590.17
Total					54,026.72

Stocks & ETFs									
Instrument	Description	Quantity	Avg. Price	Price	CCY	Value	Value, €	P&L	P&L, €
AAPL.NASDAQ	Apple Inc. - Common Stock	-3	223.430	204.67	USD	-614.01	-545.29	56.28	49.98
ABEC.FWB	Alphabet Inc	10	929.52	1,101.7	EUR	11,017.0	11,017.0	1,721.8	1,721.8
AMZN.NASDAQ	Amazon.com, Inc. - Common St...	1	1,998.960	1,876.51	USD	1,876.51	1,666.46	-122.45	-108.75
APC.FWB	Apple	3	167.020	181.25	EUR	543.75	543.75	42.69	42.69
GOOG.NASDAQ	Alphabet Inc. - Class C Capital ...	-4	1,248.3525	1,241.64	USD	-4,966.58	-4,966.58	26.85	23.84
TL0.XETRA	Tesla Inc	50	255.8209	243.2	EUR	12,161.05	12,161.05	-631.05	-631.05
TSLA.NASDAQ	Tesla, Inc. - Common Stock	-50	303.260	262.85	USD	-13,142.5	-11,671.39	2,020.5	1,794.33
Total							8,759.90		2,892.84

Real time Account Value 62,786.64 €

There are separate sections for instrument types (Cash, Futures, Options, etc.). Each section consist open positions with quantity, prices, P&L (including the projected daily P&L) and other values.

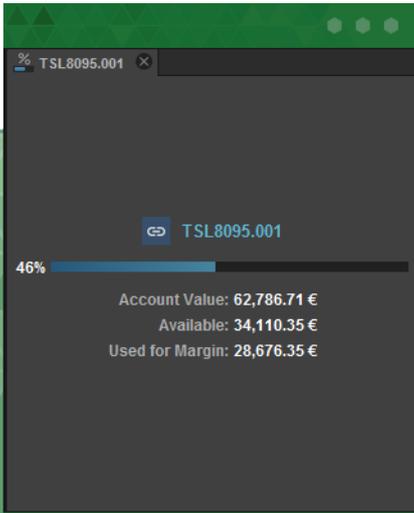
By default the Account Summary shows the real time data.

By pressing the  **Real time** button you can choose a historic time period.

If you hover over a price of an asset, you will see a hint with its current price and the exact time when this price was retrieved:

Price	CCY	Value	Val
104.46	USD	-1,253.52	
759.07	USD	759.07	
68.905	EUR	1,378.1	
4	AMZN.NASDAQ		
77	Price: 759.07		
3.9975	Quote Time: 03.08.2016 02:59:32 EEST		
	USD	4.00	

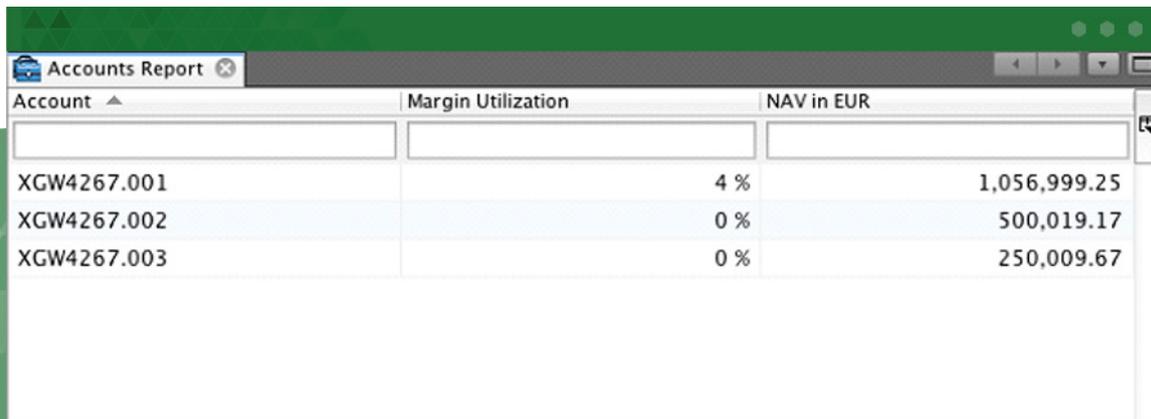
4.15 Margin Utilisation



The Margin Utilisation module includes information about the total funds in your account (Net Asset Value), available funds (Available) and utilised margin (Used for Margin). You can switch between accounts. You can also maximize the module to view more detailed information on margin utilization.

4.16 Accounts Report

The Accounts Report module includes information about **total balance (NAV in EUR)** and **margin situation (Margin Utilization)** of every account.

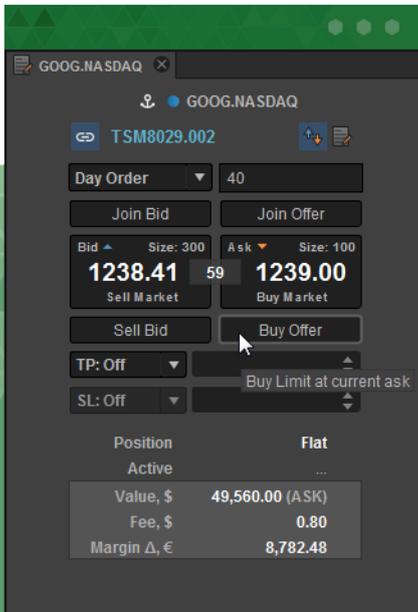


Account	Margin Utilization	NAV in EUR
XGW4267.001	4 %	1,056,999.25
XGW4267.002	0 %	500,019.17
XGW4267.003	0 %	250,009.67

5. TRADING

5.1 Trading in the ClickTrade Module

To trade using the **ClickTrade** module, select the relevant instrument in the Instruments module and drag it to the **ClickTrade** panel.



To perform a trade, select its Duration, i.e. the period during which your offer to sell or buy instruments will remain valid (Day – good till the end of the trading day, or GTC – good till canceled, IOC – immediate or cancel, FOK – fill or kill). Then specify the quantity of instruments you want to buy in the Quantity field.

Now you can use the following ClickTrade functions to buy or sell instruments: **Join Bid**, **Sell Market**, **Sell Bid**, **Join Offer**, **Buy Market**, **Buy Offer**. Of these, the following two buttons create **Market Orders**:

Buy Market — buys at the current **Ask Price**; even if the price has started growing and only some of the instruments have been sold at the old price, the remaining instruments will be bought at any price (a lower or higher price that is the current market price at the time when the order is closed). The **Current Orders** module shows the average buy price in the **Average Price** column.

Sell Market — sells at the current **Bid Price**; even if the price has started falling and only some of the instruments have been sold at the old price, the remaining instruments will be sold at the bid price (a lower or higher price that is the current market price at the time when the order is closed). The **Current Orders** module shows the average sale price in the **Average Price** column.

The remaining buttons create **Limit Orders**:

Join Bid — creates a limit order for the purchase of the specified quantity of instruments at the **Bid Price** current at the time when the order is created. For example, if the current bid price is 1.3797, but has increased as soon as you clicked Join Bid, the order will be filled only when the relevant instruments are offered for sale at the price of 1.3797 or lower.

Sell Bid — creates a limit order for the sale of the specified quantity of instruments at the **Bid Price**. For example, if the current bid price is 1.3797, but has decreased as soon as you clicked Sell Bid, the order will be filled only when there are buyers seeking to buy the relevant instruments at the price of 1.3797 or higher.

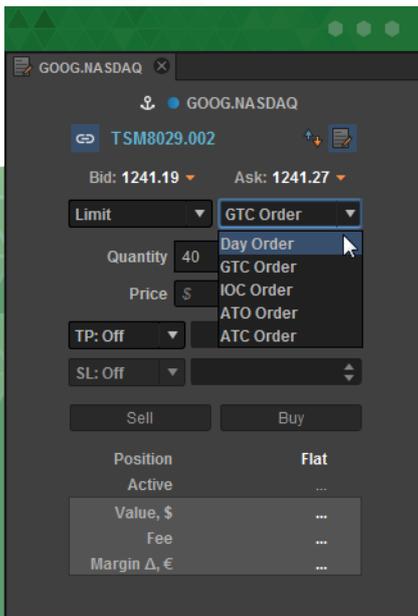
Join Offer — creates a limit order for the sale of the specified quantity of instruments at the **Ask price**. For example, if the current ask price is 1.3797, but has decreased as soon as you clicked Join Offer, the order will be filled only when there are buyers seeking to buy the relevant instruments at the price of 1.3797 or higher.

Buy Offer — creates a limit order for the purchase of the specified quantity of instruments at the **Ask Price** current at the time when the order is created. For example, if the current ask price is 1.3797, but has increased as soon as you clicked Buy Offer, the instruments will be bought only when they are offered for the price of 1.3797 or lower.

This module also allows placing clever **Take Profit / Stop Loss orders** from the lower panel of the section. After entering the quantity of assets you want to buy or sell, specify the type of your order: you can choose a specific price, the desired price change in absolute values or in pips. If you choose pips, please make sure you enter integers.

As soon as an order is created, you can see it in the **Current Orders** module. Once an order has been filled successfully, a notification appears in the bottom right part of the screen; corresponded trade appears in **Trade Blotter**; position changes in **Account Summary**.

5.2 Trading in the Order Module



To trade using the Order module, start the module by clicking Order on the toolbar. The module window appears in the right part of the screen by default. To start using the module, select the relevant instrument in the Instruments module and drag it into the Order module. Now you are all set to go.

To create a buy or sell order using the **Order** module, select the Order Type:

Market – creates a sell or buy market order.

Limit – a limit order will be filled when the market price increases to the specified level. When selecting this type of order, be sure to specify the price in the **Price** field; when this price level is reached, the order will be filled.

Stop Loss – a type of automatically executed order. It gets filled when the market price decreases to the specified level (**Stop Price**). When selecting this type of order, be sure to specify the price in the **Stop Price** field.

For any order type, select the **Duration** of the current order from the following options: **Day** – good till the end of the trading day, or **GTC** – good till canceled, **IOC** immediate or cancel, **FOK** fill or kill.

To finish creating an order, click **Sell** or **Buy**. This will finish the process of order creation, and you will be able to see your order in the Current Order module.

You can also place **Take Profit / Stop Loss orders** from the lower panel of the section. After entering the quantity of assets you want to buy or sell, specify the type of your order: you can choose a specific price, the desired price change in absolute values or in pips. If you choose pips, please make sure you enter integers. market price.

The two TP and SL orders allow you to avoid the hassle of sitting in front of your screen and waiting for the outcome, as they will be executed automatically as soon as the price reaches order level. Moreover, TP and SL orders are linked together so when TP order is executed, SL order is automatically cancelled and vice versa.

Please bear in mind several tips when placing a TP and SL orders:

- both Limit and Market TP/SL orders are directly shown in square brackets in the Current Orders module
- limit TP/SL order have Pending status, while entry order has a Working status
- market TP/SL order have Working status as entry order is executed immediately at market price.

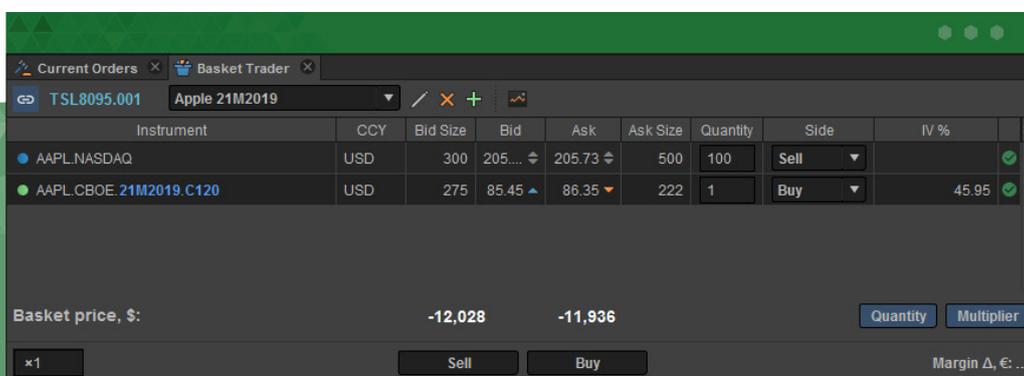
5.3 Postponed Trades

Trades based on **Limit** or **Stop** orders can be postponed. They are postponed because trades on such orders are performed only when the order conditions are met. This does not require any additional involvement from the trader. The trades will be performed automatically.

You can use the **Order** module or the **Click-Trade** module to create these two types of trades. In the case of the **Order** module, you can create both types of these orders manually. In the case of **Click Trade**, you can use the **Join Bid, Sell Bid, Join Offer, Buy Offer** buttons to create **Limit** orders. For more details on using the Click Trade module, see Section 5.1.Trading in the Click Trade Module.

5.4 Using the Basket Trader Module

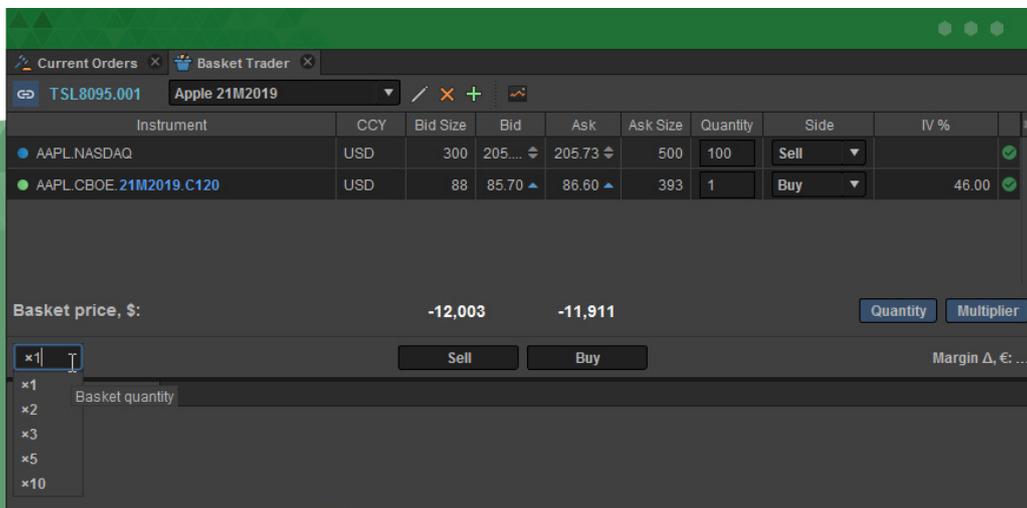
When you need to trade in several instruments at once, the **Basket Trader** module is intended for this purpose.



To start using the Basket Trader module, add the relevant **instruments** to the module. To do so, drag instruments from the Instruments module to the **Basket Trader** module. Basket Trader shows the basic info of each instrument and the parameters for creating orders, including: **Instrument** (name of instrument), **Currency** (type of currency), **Bid Size** (quantity of bids), **Bid** (bid price), **Ask** (ask price), **Ask Size** (ask size), **Quantity** (quantity of instruments), **Side** (trade side: sell or buy).

To create market orders for the selected instruments, specify the **Quantity** of instruments and trade **Side** (buy or sell) for each of the instruments in Basket Trader. You can also select a multiplier for specifying the quantity of instruments.

Select the relevant multiplier in the bottom left part of **Basket Trader** as shown in the image below:



Now click **Buy** or **Sell** to create market orders.

You can also use the Basket Trader functionality together with the **Click Trade** module or **Order** module. To do so, drag an instrument from the Basket Trader module into one of the two modules, and the corresponding instrument and its quantity will be selected automatically in the **Click Trade** module or the **Order** module.