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TradeZero

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### **Getting Started In ZeroPro**

**ZeroPro** is a downloadable Windows based application. It is an advanced trading platform built for active traders. With easy-touse customizable screens, integrated trading tools, and hotkey management, ZeroPro provides traders with an edge to profit in equity markets.

The software offers traders direct electronical access to leading U.S. exchanges and ECNs—thus providing fast executions.

- 1. Downloading and Installing the Software:
  - Download the latest version of ZeroPro;
  - Select save file and download;
  - Double-click installation file and install software;
  - Follow the on-screen instructions on the install;
  - Once installed, you will see a shortcut icon for the software on your desktop.



2.

Logging into the software:

- Double-click the **ZeroPro** icon on your desktop.
- A login screen will appear. From this window, the user can select the language that the platform is displayed in terms of labels, menu settings, etc. This can be adjusted at any time while logged in or out.



Enter your username and password:

In the "Additional Settings" area, there are three options offered on the connection window:

- 1. Free Floating Windows: If checked, this will allow the traders' layout to not be encapsulated in a containing window. The layout is not contained in a master window.
- 2. Layout Saving Confirm: If checked, the user will be prompted to save their layout upon closing or exiting. Save Password—if checked, the user will not have to type in the password every time they connect.
- 3. Data Compression: Turn on for better connection in lowbandwidth networks.



### Main window and default layout:

When you first log in to ZeroPro, the main window appears, displaying your default layout. The Toolbars offer quick access to the options and tools for ZeroPro.

Once you have your desired layout set, save your layout by doubleclicking on the ZeroPro icon. Traders will have the ability to set-up and save multiple layouts.



### **New Chart Features**

ProCharts include Zoom +/- buttons on chart windows, and better data management on symbol change when multiple charts are linked.

ProCharts can show PNL (either by percent or amount, overall or by day) in the chart price axis column. Moreover, the software will show if a symbol is short-sale-restricted (SSR) or not in the chart title bar. Positions have an option to be displayed shaded and tick arrows/text can be enabled to show position entry and exit directly on the charts.

ProCharts can display current price line and last 250 orders providing traders with an option to manage positions directly from the charts using hotkeys. Information is updated in real-time.

ProCharts show pre-market data starting at 4am–8pm EST. Traders can save their most current chart configuration and indicator sets, apply them to new chart windows and or manage default chart settings. Any changes made will be saved with your layout.





To open a Level 2 screen, select the shortcut icon from the quick launch bar or click the (*Market Depth*) button.

Time and Sales colors: light green/above ask, light red/below bid, white/inside market, green/ask and red/bid.

When the level 2 window opens, the symbol entry is in the upper left-hand corner. You are able to open and trade from as many instances of the Level 2 window as you like—there is no limit.

# Level 2 Submenu

Preference	ces X
Window	- ✓ Time and Sales ✓ Display Montage
Colors	✓ Order Entry ✓ Display Col Headers
	✓ Level I Quote
Trade	☑ Display MMaker Chart 🔽 Use Arial Font
	🖬 Display trade timestamp 🛛 Disable Order Confirmation
Buttons	✓ Hide Located Shares
	✓ Display MMakers size in blocks of 100 shares
	✓ Display Trades size in blocks of 100 shares
	Auto-Load Quantity from Position on Symbol Change
	✓ Hide Position Data Bar  ✓ Hide Limit-Down/Limit-Up Levels
	✓ Lock as Symbol Source
	Qty Increment 100 :
	NumPad Qty Multiplier 0
	Price Increment 0.01 🛟
	Set Precision 3 🗧
	Display trades greater than 100 🛟
	NQEX 1034,390 1
	O New ZeroPro BATS 1034.290 1
	PACF 1034.240 1
	Old Classic BATY 1033.430 1 EDGX 1033.220 1
	EDGX 1033.220 1     EDGE 1033.160 1
	Apply OK Cancel

Right-clicking inside the Level 2 window brings up the submenu functions. Traders can customize the order of the Trading Buttons in the Level 2 Window (Buy, Sell, Short, and Cover) and set Hotkey button colors.

Submenu provides access to the following items:

- Setup Display Preferences: This allows user to control the view of the window.
- Fonts and Colors: Change the font size colors.
- **Trade Defaults**: Select the route, order type, and share size defaults.

Frade Defaults				
US Equities - Route	Route BSMART	Туре	Expiration	VolType
Delault fule	BOMANT	MINI		
∠ Share Sizes —				
Default Number (	of Shares:		500 :	

- From the Level 2 submenu, select the "Trade Defaults" and enter the default trading settings for the route, order type and expiration. This will apply to each Level 2 window.
- Traders can setup one Level 2 window with 500 shares and another with 1000 shares and this will be the default setting for each window.

_ Standard	Buttons							
Button 1:	Buy	•	Button 2:	Sell				
Button 3:	Short	•	Button 4:	Cover				
- Hotkey B	uttons							
Button 1:	Buy 5,000	-	Button 2:	Buy 10,000 🔻				
Button 3:	Buy 20,000	-	Button 4:	Cancel All 🔹				
Button 5:	Sell 20%	-	Button 6:	Sell 50% 👻				
Button 7:	Locate	-	Button 8:	None				
Hotkeys must be given a name to be assigned to a button								

 Hot Buttons can be configured to allow traders to perform hotkey functions and customize the order of the Trading Buttons in the Level 2 Window (Buy, Sell, Short, Cover). See page 16.

Pos	10	0 /	Avg Px	50.29
Quantity			Туре	
	100		MKT	-
Price			Stop Price	ce
0	.0000			.0000 🗧

 If this box is checked, <u>Auto-Load Quantity from Position on</u> <u>Symbol Change</u>—entering a symbol into the market depth window will load existing quantity. A green color for long positions and red for short.

SPY : SPDR S	&P :	500						Ø	•
SPY				416.805			% 12	1 32,080	,461
		Close BSize	415.870 1100	High Ask	417.390 416.810		415.730 200	VWAP Exch	416.622 PACF
						1		416.805 416.802 416.810 416.805 416.810 416.810	287 NTRF 100 BATY 100 NQN 100 PHIL

• Display Market Maker Chart This is a feature that graphically represents the share size aggregated at each price level.

### Linking windows

CSCO : C	ISCO SYSTEMS,	INC		۰ 🗸		CSCO : CISC	O SYSTEMS,	INC	۰ -	- 6	x
CSCO Open Bid MMID	<ul> <li>▼ S</li> <li>52.450 Close</li> <li>52.840 BSize</li> <li>Bid</li> </ul>	52.84 51.640 High 3400 Ask Size		1 14,111,612 52.260 VWAP 52.82 400 Exch NQNI Ask Size		CSCO Price Siz 52.845	1 IEX	Time 12:32:49			<b>^</b>
NQEX PACF NYSE		52.840 52.840 52.840	3400 NQEX 2900 PACF 2600 EDGX	52.850 52.850 52.850	400 400 300	52.85 52.84 52.84	300 BOST 100 PACF 80 BATS	12:32:49 12:32:48 12:32:48	AtAsk		

- To link windows together, select the linked to group icon located next to the gear icon on the Level 2 title bar, then select a group letter and link any other window within the platform.
- You can link the Level 2, chart window, time and sales with the top list window. Traders can create linking groups by selecting color coded letters in the link to group submenu.

# **Order Entry**

Pos 100	Avg Px 50.29	Unrealized 2	257.00 +/- 5.119	6 Exp 5,286.00
Quantity	Туре	Route	Time In Force	Pegged Instructions
100	MKT 🚽	SIM 🔻	Day 🔻	-
Price	Stop Price	Low Price	High Price	
0.0000				
		Use Display Qty	Max Display Qty	
Position	CxI Last		0 🗧	
Buy	Sell	Short	Cover	

To enter a trade inside the Level 2 window:

Enter the price, volume (shares), order type and route.



# Routing

ZeroPro is a Direct Market Center Access platform affording trader's access to all major ECN, exchange and market making routes.

- 1. Electronic Exchanges/ECNs are available from 4am—8pm EST. Those include: ARCA, BATS, EDGX, EDGA and NSDQ.
- 2. Exchanges: AMEX and NYSE are available from 9:30am-4pm EST.
- 3. Market Makers: Companies like NITE, VFIN, VNDM are available from 9:30am–4pm EST.
- 4. If your order is REJECTED; a message will be displayed in the top of the order preference window.

### **Order Types**

ZeroPro Level 2 supports the following order types:

- 1. **Market Order**: Orders executed from 9:30am–4:00pm EST. Market orders are executed at the current market price. Price is not guaranteed but execution is within normal market hours.
- 2. **Limit Order**: These orders can be placed and executed from 8am–8pm EST. Limit orders are filled at the limit price or better.
- 3. **Stop Market Order**: This is used to trigger a market order once the symbol trades at the specified stop price.
- 4. Stop Limit Order: Two prices are specified with this order type. The "stop price", which is the trigger and then the limit price, which is the price that the order is placed once the order is triggered. Stop Limit orders guarantee the execution price or better, but execution itself is not guaranteed.

- 5. **Market-On-Open** (MOO) order is an order to be executed at the day's opening price.
  - NYSE MOO (and LOO) orders are accepted from 6:30am EST. Cutoff for order entry, and cancellation is prior to 9:30am.
  - Nasdaq MOO (and LOO) orders are accepted from 4:00am EST.
  - Nasdaq MOO orders may be entered until 9:25am but may not be cancelled or modified. LOO orders may be entered until 9:29:30am but may not be cancelled or modified.
- 6. **Limit-On-Open** order (LOO) is a limit order executed at the market's open if the opening price is equal to or better than the limit price.
- 7. **Market-On-Close** (MOC) order is a market order that is submitted to execute as close to the closing price as possible.
  - NYSE MOC (and LOC) orders are accepted from 6:30am EST. Orders cannot be cancelled after 9:30am.
  - Nasdaq MOC (and LOC) orders are accepted from 4:00am EST. Orders will be accepted until 3:55pm but they may not be modified or canceled after 3:50am. Nasdaq stops accepting LOC orders at 3:58pm
- 8. Limit-On-Close (LOC) order will fill at the closing price if that price is at or better than the submitted limit price. Otherwise, the order will be canceled.
- 9. **Range**: This order type is used to put a bracket into place. The order will require a high price and a low price specified by the user. If one side executes, the other side will cancel. Trader must have an open position in order to set up range order. The side

must be either **Sell** or **Cover**. The low-price offset equals Stop-Market and high price offset equals the limit order or profit target price. A hotkey configuration is required.



# **Order Expiration**

There are a few types of order expiration supported by ZeroPro Level 2. These are:

- 1. **Day**: These orders are live and accepted from 4:00am-4:00pm EST.
- 2. **GTC** (Good till Cancel): These orders can be placed on the platform 24/7.

Please note GTC orders placed in pre/post trading hours will be held and sent out for execution at the start of the next trading session 9:30am EST. GTC Orders will remain active until they are either canceled or executed.

- 3. **GTX**: These orders are live and accepted from 4:00pm-8:00pm EST.
- 4. **IOC**: Immediate or Cancel orders are orders that if they are not immediately partially executed or wholly executed, they are canceled.
- 5. **FOK**: These orders are like IOC orders, but these will only be executed if the entire order can be filled.

# Quantity Type

- 1. **Buy Power**: This quantity type buys a percentage of shares that corresponds to the account buying power.
- 2. **Buy Dolla**r: This quantity type buys a specific dollar amount of shares that also corresponds to the account buying power.
- 3. Locate: This will execute a percent of locate (must be in inventory) as a buy or sell order. Ex: if you have located 1000 shares, you can set a hotkey to execute 10% of your locate. The system will send out an order for 100 shares.
- 4. Max Position (Shares) and Exposure(\$): This feature allows traders to set a max limit for shares and or exposure. Max Position(Shares) and Exposure limits can be set to prevent over buying/shorting via hotkey.



# **Hidden Order Types**

- 1. Enter your share quantity, order type and price.
- 2. Select use display quantity and enter max shares to display.

Pos 100	Avg Px 50.	29	Unrealized	2	255.00 <b>+/-</b>	5.07%	6 Exp	5,284.00
Quantity	Туре		Route		Time In Force		Pegged	Instructions
100	MKT	•	SIM	•	Day	-		
Price	Stop Price		Low Price		High Price			
0.0000					0.000			
			Use Display Qt	ty	Max Display G	lty		
Position	CxI Last					0 🛟		
Buy	Sell		Short		Cover			

<u>Check</u> the box to enable Hidden Order type.

Professional investors, traders and market makers may choose to hide large-size orders by applying the 'Hidden' attribute to a larger volume order.

The Hidden order type is a simple solution to maintaining anonymity in the market when trying to buy or sell large amounts of stocks, or options. Your order is submitted but evidence of the order is hidden from the market.

For example, the trader wants to send a sell order for 1000 shares at a specific price. Once the order is placed, Level 2 will update displaying 100 shares. 100 shares will remain displayed on Level 2 until the order is filled. Change the "Display Quantity" to the number of shares (Bid or Offer) that the trader wants displayed in the market.

Quantity	Туре	Route	Time In Force	Pegged Instructions
100 🗘	MKT 🝷	SIM 🔻	Day 🔻	
Price	Stop Price	Low Price	High Price	
0.0000 🛟				
		Use Display Qty	Max Display Qty	
Position	CxI Last		0 ÷	
Buy	Sell	Short	Cover	
Buy 5,000	Buy 10,000	Buy 20,000	Cancel All	
Sell 50%	Sell 20%	Locate		

# **Hot Buttons Setup**

ZeroPro includes Hot Buttons that can perform Hotkey functions. The buttons can be used to customize the order of the Trading Buttons in the Level 2 Window. Hot Buttons can be created for faster order entry and execution. In the example above, once Hot Buttons are setup, they can be customized for specific orders. Ex: traders can send an order to execute \$5,000 worth of shares from their account buying power. You can also liquidate all positions or cancel buy/sell orders using the Hot Buttons.

To configure hot buttons, traders need to first name each button in the hotkey configuration. Next, right-click the Level 2 window and open Preferences, select Buttons and select a name for each button. Finally, switch to color tab and select a color for hotkey button.

Hotkeys must be giving a name before assigned to a button.

# **Circuit Breakers - Limit Up Limit Down (LULD)**

The purpose of **LULD** is to address rapid price fluctuations and extraordinary market volatility in NMS stocks. It does so by preventing trades from occurring in equity securities outside of a specific **price band**. The consequence of **LULD** is it could potentially lead to a 5-minute trading halt in an equity security or depending on certain circumstances, possibly longer than a 5-minute halt.

Stock Price	S&P 500 Stocks & Russell 1000 Stocks	Other Reg NMS Stocks
Greater than \$3.00	5%	10%
\$0.75 to \$3.00	20%	20%
Less than \$0.75	Lesser of \$0.15 or 75%	Lesser of \$0.15 or 75%

<u>**Tier 1**</u> comprises all securities in the S&P 500, the Russell 1000 and select Exchange Traded Products (ETPs).

<u>Tier 2</u> comprises all other **NMS securities**, except for rights and warrants, which are specifically excluded from coverage.

To account for increased volatility around market open and market close, the percentage parameters are **doubled** from **9:30** to **9:45 a.m.** and from **3:35** to **4:00 p.m.** Price Bands are first calculated by the opening print and then recalculated every 30 seconds. The reference price will only be updated if the new reference price is at least 1% away in either direction from the current.

### Market Wide Circuit Breaker Rules

- Level 1 (7% decline) 15-minute trading halt
- Level 2 (13% decline) 15-minute trading halt
- Level 3 (20% decline) Trading suspended for the day

- Auto-Load Quantity from Position on Symbol Change

🔽 Hide Position Data Bar 🛛 🔲 Hide Limit-Down/Limit-Up Levels

ORCL:0	RACLE	CORP						Ø -	_ = x
ORCL	-	s		78.970	+0.680	+0.86	9% 10	0 8,262,8	73
Open	78.300	Close	78.290	High	79.020	Low	77.860		78.504
Bid	78.960	BSize	700	Ask	78.970	ASize	200	Exch	NYSE
NQEX	7	8.960	700	MIAX	78	.970	200	78.970	100 IEX
BATS	7	8.960	500	NYSE	78	.970	200	78.970	100 IEX
NYSE	7	8.960	500	EDGX	78	.970	100	78.970	100 NQEX
EDGX	7	8.960	400	CINC	78	.970	100	78.970	100 MEMX
PACF	7	8.960	300	NQEX	78	.980	1000	78.970	100 MEMX
MIAX	7	8.960	200	PACF	78	.980	700	78.970	200 NQNX
BATY	7	8.960	200	BATS	78	.980	400	78.970	100 NQNX
MEMX	7	8.960	100	PHIL	78	.980	300	78.970	100 NQEX
EDGE	7	8.960	100	BATY	78	.980	200	78.970	200 NQNX
PHIL	7	8.950	200	AMEX	78	.980	100	78.970	100 BATS
CINC	7	8.940	100	BOST	78	.980	100	78.970	100 PACF
BOST	7	8.860	200	EDGE	78	.980	100	78.970	298 NYSE
AMEX	7	6.710	100	MEMX	78	.980	100	78.970	100 NQNX
LULD	7	4.390	100	LULD	82	.220	100	78.970	100 NQNX
Quantity		Туре		Route		Time I	n Force	Peggeo	Instructions
	50 🗘	MKT	-	SIM	-	Day		-	
Price		Stop P	rice	Low Pri	ice	High P	rice		
0.0								A V	
				Use Dis	splay Qty	Max D	isplay Qty	_	
Posi	tion	С	xI Last				0		
Bu	У		Sell	S	Short		Cover		
Buy 5	,000	Buy	y 10,000	Buy	20,000	C	ancel All		
Sell	50%	S	ell 20%	L	ocate			_	

When the National Best Offer (NBO) is above the Upper Band, the Securities Information Processor (SIP) will disseminate the NBO with a flag identifying it as non-executable.

If the other side of the market (National Best Bid) is equal to the Upper Band, the market will enter a Limit State, and only exit the Limit State if within 15 seconds, all Limit State quotations are executed or canceled in their entirely.

If the market does not exit the Limit State, the primary listing exchanges will declare a 5-minute Trading Pause.

The LULD quotation settings can be found by right-clicking on Level 2 and selecting the appropriate fields in the preferences window.



# **Conditional Order Entry**

ZeroPro includes the ability to send a conditional order. What this means is that a trader can setup one order, and if that order is executed, a second order is automatically submitted. Ex: the trader can setup conditional (order 1) with an action to buy. Select the order type, whether you want to use a limit or market order, then setup conditional (order 2) as a stop market. When and if conditional (order 1) executes, the system will automatically submit conditional (order 2) as a stop market order.

The conditional order entry interface provides for real-time Level 2 price and volume updates.

# **Portfolio Window**

The portfolio window is opened using the quick launch or the Portfolio button.



Once a trade is placed it will show inside the portfolio window.

													© -	
FRANKDEN	<u>10</u> -	Day Unre		<u>Day Realized</u>	<u>Day 7</u>		<u>Shrs Traded</u>		<u>Equity</u>		Equity Ratio			
THURNDER		<u>2,471.0</u>		<u>119.00</u>	<u>2,590</u>				<u>502,590.0</u>		<u>100.00%</u>			
Cancel	Symbol	Action	Shares	Туре	LMT Price	StopPrice	ApproxMKTPri		AvgPrice		Status		ClOrdId	
Cancel >>	AAPL	SELL	200	Stop_MKT		227		0	0	NEW		12245.6	383784r2	
Cancel >>	AAPL	SELL	200	LMT	231.7500				0	NEW		12245.6	383784r1	
Cancel >>	US0	BUY	500	LMT	10.9700	0		0	0	NEW		12245.6	383782	
•														Þ
Symbol/Co	ontract P	FullNam	e	+	Side	DayChg	+ Avg Px	₽Po	sition +	Unrea	alized +=	АссТуре	+¤\$ValueIn	
С		CITIGRO	OUP, INC		Long	+1.21	67.	41	100(	)	1,223.64	MARGIN	74,143.67	
AAPL		APPLE,	INC		Long	+2.50	226.	83			536.00	MARGIN	45,366.00	
INTC		INTEL C	ORP		Long		50.	42				MARGIN	35,297.00	
MMM		3M CO			Long	+1.30	151.	26	200		198.00	MARGIN	30,252.00	
MSFT		MICROS	SOFT COP	RP	Long		138.	13				MARGIN	13,813.00	
														Þ
Open Positio	Closed	Positions	Trade Age		er History	Account Deta	ila							

The portfolio window provides real-time account and order management. All information about open orders, executed orders, closed positions, realized gain/loss, buying power, and order history is displayed. Realtime overnight buying power is also available.

The portfolio will average price all day trades but will treat overnight and day trade positions separately. Ex: Trader is long 100 AAPL from yesterday. They buy 100 AAPL today. The portfolio window will show two-line items for AAPL: one labeled 'Overnight' and one labeled 'Day'. If the trader sells 100 AAPL, the first to go would be the last one created, otherwise known as Last In, First Out or (LIFO). If the 100 Day AAPL is held until tomorrow, then the trader would show 200 AAPL with an average price upon logging in tomorrow.

Right-clicking on the portfolio window opens a submenu of additional options.

# **Chart Window**

To open a chart screen, select the shortcut icon from the menu bar.

Double-Clicking inside the chart window will open the chart properties and attributes. In chart properties, traders can select the most recent indicators that have been added to the chart and make changes or adjustments to the attributes of each indicator (i.e., color, display name, pen weight and style, etc.

If you want to use a different timeframe, simply click on the chart and type the time followed by the letter m. For example, type "10m" to use the 10-minute timeframe.



The ZeroPro chart features allow traders to optimize the chart region with useful information. You have the ability to set bar margin to the right, current price indicator to help identify support and resistance levels, high and low-price levels (works in each time frame) and ticks and arrows that represent order history.

### **Save Current Indicator Set**

To save your chart data, right-click on your chart and select "Indicators", then "Indicator Sets", and save the current chart set by assigning a name. Moreover, traders can apply a previously saved chart by selecting the "Apply/Manage Indicator Sets" option. A list box will appear with your saved sets. Traders can copy/paste their current settings to a new chart window and also select "General Preferences" settings and apply a saved indicator set. This will be the new default setting for each chart window that is opened.



# **Candle Stick Information**

- 1. Simply left-click and hold the mouse button over an area of the chart to bring up the data window.
- 2. Drag the mouse from candle to candle and explore the statistics for each candle, such as date, volume, open, high, low and close.

Chart's window will show whether a symbol is SSR or not in the title.

There are new features and tools available for the charting window. Chart drawing objects change color and properties. Drawing objects persists by Symbol, for intraday or daily. Right-click and use the "Mange Draw Objects" menu to remove them.

ZeroPro gives traders the opportunity to show VWAP or Extended session with a single check box. Traders can draw trendlines and retracement levels and they will be saved with your layout.

Charts can be displayed in white, blue, yellow and black chart backgrounds.



# **Chart Attributes**

Show Last/Value Side	True or False shows last trade on price axis
Hit Tolerance	Reaction to Zoom
Bar Margin to The Right	Number of bars from price axis
Histograms Use Thin Lines	Change volume and MACD histograms to thin or solid
Show Values in Titles	Shows current study vale
Scroll Bar Mode	Enable or disable chart scrollbar
Time Axis on 2 Lines	Display or hide time axis
Show Gridlines	Enable or disable gridlines for charts
Show Pre/Post Sessions	When selected shows pre-and post-market sessions
Title Values w/ Candle Color	Highlights Title Values based on current candle color
Show Stock Logos	Show company logo on chart
Logo Alpha Factor	Show logo ratio
Show Trade Stye	To display or hide executed order on chart Select one of the following: None, TicksOnly, TicksAndArrows, TicksArrowsAndText, or TicksArrowsAndNoShares
Show Trade Tick Size	Select Small, Medium, or Large
Show in Position Shaded	Show shaded area on chart timeline when in current positions
Show Orders	Show horizontal line across chart for limit, stop, and range orders
Show Current Price	Show current price level across the charts
Show High/Low Prices	Show high and low price in each timeframe

### chart attributes continued

Max Orders to Render	Charts now always show the last 250 orders even if there are more. To increase, go to the chart properties and and change the "Max Orders to Render."
Show PNL on Price Axis	This item will show an amount on the price axis as selected: Percent, PercentDay, AmountDay

Chart Objects	Attributes	
Chart UBER	Object Type	Friendly Name
Moving Average 1 Line	Indicator	Moving Average 1 Line
Moving Average 1 Line Moving Average 1 Line	MA Style Period	Simple  T100
Moving Average 1 Line VWAP Volume		
	Lines MA Line	Visible 🗸 Show Axis Indicator
		isplay Name Color MA Line
		en Style Solid 🔹 👻
		en Weight
		wo 🔻

There are over 50 indicators to select from and customize. Once an indicator is selected, the ability to customize the indicator is available in the left-hand panel. These include VWAP, Bollinger bands, MACD, moving averages and many more.

Traders can select a study in the charts object area and customize the studies settings. In this example, changing the moving average lines color, pen style and pen weight is possible. Select the next indicator in the chart objects' area to configure each study.

### Indicators

#### General

%Chg Accumulation Distribution Aroon Average True Range Balance Of Power Chaikin Money Flow Chaikin's Volatility DEMA Ease Of Movement Keltner Channel Momentum On Balance Volume (OBV) Parabolic SAR Performance Price Channels Price ROC Qstick Raff Regression Channel Range Indicator R-Squared TEMA Time Series Forecast TRIX Vertical Horizontal Filter Weighted Close Wilder's Smoothing

#### Index Based

Accumulation Swing Index CCI Average Choppiness Index Commodity Channel Index Dynamic Momentum Index Inertia Intraday Momentum Index Market Facilitation Index Mass Index Money Flow Index Negative Volume Index Positive Volume Index Relative Momentum Index Relative Strength Index (RSI) Relative Volatility Index Stochastic Momentum Index Swing Index Trend Intensity Index Ulcer Index

#### Moving Average Based

Absolute Price Oscillator Bollinger Bands MACD Mov Avg Envelopes Mov Avg Exponential Mov Avg Time Series Mov Avg Triangular Mov Avg Variable Mov Avg Vol Adjusted Mov Avg Weighted Moving Average 1 Line Moving Average 2 Lines Moving Average 3 Lines Percentage Price Oscillator Volume Average

#### Price

Avg Position Price Previous Close

#### Volume

Volume Rate of Change Volume

#### **Oscillators**

ADX ADXR Chaikin Oscillator Chande Momentum Oscillator CSI Detrended Price Oscillator Difference Price Oscillator DMI Forecast Oscillator Klinger Oscillator Price Oscillator **Projection Bands** Projection Oscillator Stochastic Oscillator Ultimate Oscillator Volume Oscillator Williams' %R Volume Based

# Watch List

CO SYSTE CO SYSTE COSYSTE CROSOFT C SLA, INC RCK, INC ACLE COR VIPER NET	34,201.00 4,185.47 52.79 260.62 739.77 77.47 79.06		0.00 0.00 52.77 260.54 739.69 77.40	Ask 0.00 0.00 52.79 260.69 739.84 77.47	0 28166727 24092869 27879687	53.18 261.00 900.40	0.00 0.00 35.28 166.11 134.76
CO SYSTE CROSOFT C SLA, INC RCK, INC ACLE COR	4,185.47 52.79 260.62 739.77 77.47 79.06	+15.05 +1.15 +1.12 +0.91 +0.81	0.00 52.77 260.54 739.69 77.40	0.00 52.79 260.69 739.84	0 28166727 24092869 27879687	4,191.31 53.18 261.00 900.40	0.00 35.28 166.11 134.76
CROSOFT C SLA, INC RCK, INC ACLE COR	52.79 260.62 739.77 77.47 79.06	+1.15 +1.12 +0.91 +0.81	52.77 260.54 739.69 77.40	52.79 260.69 739.84	28166727 24092869 27879687	53.18 261.00 900.40	35.28 166.11 134.76
CROSOFT C SLA, INC RCK, INC ACLE COR	260.62 739.77 77.47 79.06	+1.12 +0.91 +0.81	260.54 739.69 77.40	260.69 739.84	24092869 27879687	261.00 900.40	166.11 134.76
CROSOFT C SLA, INC RCK, INC ACLE COR	260.62 739.77 77.47 79.06	+1.12 +0.91 +0.81	260.54 739.69 77.40	260.69 739.84	24092869 27879687	261.00 900.40	166.11 134.76
SLA, INC RCK, INC ACLE COR	739.77 77.47 79.06	+0.91 +0.81	739.69 77.40	739.84	27879687	900.40	134.76
RCK, INC ACLE COR	77.47 79.06	+0.81	77.40				
ACLE COR	79.06			77.47	44044555		
		+0.77	70.05		11844555	87.80	71.72
IDED NET			78.95	79.17	13232278	79.34	50.86
VIELL	26.01	+0.39	26.03	26.05	5743114	27.83	19.51
GIN GALA	23.33	+0.27	23.33	23.35	12533368	62.80	14.21
ALCOMM, I	138.10	+0.26	138.00	138.20	6364119	167.94	71.75
NERAL ELE	13.39	-0.16	13.39	13.40	49183883	14.42	5.48
PLE, INC	134.10	-0.40	134.10	134.11	83501466	145.09	66.36
C ENTERT	9.41	-0.49	9.40	9.41	40351607	20.36	1.91
VANCED MI	82.17	-0.84			46909492	99.23	48.42
PHABET, IN	2,295.76	-0.90	2,295.0	2,296.5	1099724	2,306.60	1,209.71
CEBOOK, I	305.92		305.80		12771203	315.88	168.34
MESTOP C	154.28	-2.16	154.05	154.51	4988159	483.00	3.77
	545.70	-3.52	545.01	546.00	3100713	593.29	393.60
	C ENTERT /ANCED MI HABET, IN CEBOOK, I	C ENTERT 9.41 /ANCED MI 82.17 HABET, IN 2,295.76 CEBOOK, I 305.92 MESTOP C 154.28	CENTERT 9.41 -0.49 /ANCED MI 82.17 -0.84 HABET, IN 2,295.76 -0.90 CEBOOK, I 305.92 -1.90 MESTOP C 154.28 -2.16	CENTERT         9.41         -0.49         9.40           VANCED MI         82.17         -0.84         82.16           HABET, IN         2.295.76         -0.00         2.295.0           EBOOK, I         305.92         -1.90         305.80           MESTOP C         154.28         -2.16         154.05	CENTERT         9.41         -0.49         9.40         9.41           VANCED MI         82.17         -0.84         82.16         82.17           HABET, IN         2.295.76         -0.90         2.295.0         2.296.5           EBDOK I.         305.92         -1.90         305.80         306.30           MESTOP C         154.28         -2.16         154.05         154.51	CENTERT         9.41         -0.49         9.40         9.41         40351607           VANCED MI         82.17         -0.84         82.16         82.17         4909492           HABET, IN         2,295.76         -0.90         2,295.0         2,295.0         1099724           EBDOK, I         305.92         -1.90         305.80         306.03         12771203           MESTOP C         154.28         -2.16         154.05         154.51         4988159	CENTERT         9.41         -0.49         9.40         9.41         40351607         20.36           (ANCED MI         82.17         -0.84         82.16         82.17         46909492         99.23           (HABET, IN         2.295.76         -0.90         2.295.0         2.296.5         1099724         2.306.60           DEBOOK, I         305.92         -1.90         306.80         306.03         12771203         315.88           MESTOP C         154.28         -2.16         154.05         154.51         4988159         483.00

To open a watchlist screen select the watchlist shortcut icon from the menu bar.

The watchlist window allows traders to enter thousands of symbols in the list. The fields update dynamically, tick for tick and in color. There are over 20 columns that can be sorted, order of the columns changed, and the colors and fonts can be amended.

A right mouse click in the watchlist will bring up a menu where fonts can be changed, and the window can be linked to a specific group. In order to populate watchlist symbols into the linked windows, double-click anywhere along the row of the symbol, except for on the symbol itself. Press insert on your keyboard to insert new rows or delete to delete selected rows.

Multiple sectors can be created by selecting an empty row and typing a coma and a description for the row. In the example, "STOCKS" is the row that divides Dow Jones and SPX from the group of symbols. Symbols can also be highlighted in the Watchlist for easier tracking during sorting and can be saved with your layout.

# Add to the Watchlist Button

MSFT : N	MICROSOFT CORP				+ Ø 🔹	
MSFT	✓ LR	258.270	-1.620 -0.623	% 9 13,81	1,391	
Open	259.820 Close	259.890 High	259.990 Low	257.680 VWAP	258.757	
Bid	258.260 BSize	7 Ask	258.270 ASize	4 Exch	NONM	
NQEX	258.260	7 NQEX	258.270	4 258.2	70 0	15:59:20 N
EDGX	258.260	3 BATS	258.300	1 258.2		15:59:20 N

Traders can add symbols directly to the watchlist from the title bar of Level 2 and simple order window.

Preferences	
Window 🗾	Flash Colored Updates

### Flash Update

Watch List now can flash last price and bid/ask prices. Right-click on window to enable flash updates.

The Self-Directed Help (SSR) watchlist hint will appear when hovering over the symbol showing the full display. Like TSLA\*\* hints to TSLA (\*SSR\*)

Next to the symbol, there will be a small asterisk (\*\*) self-directed help icon indicating that the security is locate required. LR acronym means "Locate Required." S acronym means "Short-able" or "Easy to Borrow."

# System Message

System Message		- = x
NY Time:17:32:39.756 / 0.02s Dela	y Symbols L1/L2: 58/1	Close
Queued Local: 0.00KB / Svr: 0.00KB	B - 0.00%	
Message	Msg Type Time	
HostVector - BKP IP: Port: 0	DataServer 0	11:45:18
HostVector - Main IP:38.133.182.91 Port: 4527	DataServer 0	11:45:18
HostVector - BKP IP: Port: 0	DataServer 0	09:29:09
HostVector - Main IP:38.133.182.91 Port: 4527	DataServer 0	09:29:09
Quotes Server Connection Down.	DataServer	09:19:00

New: System Message window now provides statistics on delay and provides the server time down to milliseconds.

### **News Filter**

News Syn	nbol:SPY Keyw	vord-ANALYST RATINGS	۰ -		x
Symbol	SPY	Keyword ANALYST RATINGS			
Story	04/08/2 !	5 Things That Could Derail The Stock Market In 2021			1
Hea	04/07/2	UPDATE: Janney Says 'S&P is still vulnerable to a bigger correction in 2021 than we have exp	perience	d t	
Hea	04/07/2	Janney Comments On S&P 500 Price Action/Performance, Notes 'more than 95% of the SPX'	s compo	bne	
Hea	04/01/	'GOLDMAN: "We estimate nonfarm payrolls rose 775k in March, above consensus of +64	3k'-Tv	ee	
Story	04/01/2 \	Why There Could Be More Recovery Upside To Oil Prices Than Stock Prices			
Story	03/22/2 '	'Stimmy' Checks And The Stock Market: Will The Retail Trading Frenzy Continue?			
Hea	03/16/2 (	GOLDMAN, on retail sales: "The report was fairly positive overall despite the weak headlinev	with a la	irge	
Story	03/11/2 \	Why Marathon Petroleum And Phillips 66 Are Top Oil Stock Picks			
Story	03/02/2 9	Survey Finds 72% Of Investors Believe Bitcoin Experiencing Another Bubble			
Story	02/18/2 9	Short Sellers Still Targeting Retail, Biotech ETFs			
Story	02/08/2	How And Why Did The Stock Market Crack This Week?			-

To open a news screen, select the shortcut icon from the menu bar.

The ZeroPro news currently receives real-time streaming headlines and stories from Benzinga.

Double-clicking on any news headline will bring up the story for that headline if a story exists. Double-clicking on a headline without a story attached will do nothing. Right-clicking inside the news window will bring up the submenu options. In the preferences menu, fonts color and columns can be adjusted.

# Market Clock



The New Market Clock includes current session and hours/min.

# Time & Sales



The time sales window provides complete customization of colors to easily differentiate prices of trades at a glance. In the example, the light green prints are trades above the ask, while the green prints are at the ask.

The light red prints are trades below the bid and red font is at the bid. White font trades occur in between the bid and the ask. The Route column will display the Venue in which the corresponding order's execution occurred.

Right-click inside the time and sales window to bring up the submenu options. Time and Sales Window allows highlighting of bid/ask/trades over certain sizes. Prints in this example are 200 shares or more and have the row highlighted in green or red.

# **Top List**

Top List	-	-	٥	x
NASDAQ	Percent Chang	e Up	•	
Symbol	Last ∆	Change	% Chng	Volume
•••	(Custom)	> 0.50	=	> 1000000
CATB	2.65	+0.54	+25.59%	3,872,731
ALFIW	2.79	+2.22	+390.33%	2,479,536
FORD	3.70	+ 0.88	+31.21%	3,561,946
CLSD	3.85	+ 0.83	+27.48%	90,997,281
TRCH	5.32		+48.60%	264,538,106
ALF	7.30	+ 3.89	+114.08%	198,807,106
TYHT	8.00	+0.82	+11.42%	2,174,769
FUSN	9.63	+1.47	+18.01%	1,399,545
GOEV	10.93	+1.47	+15.54%	31,953,257

To open a Top List screen, select the quick launch from the menu bar or click the Top List button.

Right-click inside the Top List to bring up the submenu.

The Top List displays information for stocks on several exchanges. To change the exchange in view, select the drop-down arrow.

These are available for each of the AMEX, NASDAQ, NYSE, OTCBB and Pick Sheet exchanges. The expanded filtering functionality allows for customizable sorting options.

Filter based on	All		•	of the following (	conditions:	
🗭 Add	Last	< Less than		~	20	r
E Delete	Last	> Greater than		$\sim$	1.50 🗸	^

Select any symbol in the Top List and right click to send to Alarm Manager.

# Options

Apr 16 2021 Arr 19 20 Calls Bid 5 6 67 7.79 6 58 5 56 4 75 2 79 1 77 0 80 0 00 0 0 0 00 0 0 0 00 0 0 00 0 0 0 00 0 0 0 0	Apr 21 2021 Ask 8 85 5 86 4 94 3 87 2 95 1 95 0 85 0 85 0 85 0 00 0 01 0 01 0 01 0 01	Last Last 8.79 7.82 6.83 5.81 4.75 2.71 2.00 0.05 0.01 0.01 0.01 0.01 0.01	Xolume         Xolume           2.161         3.078           4.161         3.078           48.79         6.376           7.984         8.181           15.559         42,330           160,427         20047           27,034         8.181           15.559         42,330           160,427         20047           270,347         65,185           6,159         6,159	Strike 408.00 409.00 410.00 411.00 412.00 413.00 414.00 414.00 415.00 416.00 417.00 418.00 419.00 420.00 421.00	May 03 2021	May 05 2021 Bid 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	May 07 2021 May Ask 0 01 0 27 1 40 2 37 3 45 0 1 0	- 10 2021 May 12 2021 Last 0 01 0 01 0 01 0 01 0 01 0 01 0 01 0 0	May 14 202 Volume 16,628 9,655 22,866 16,122 26,453 28,718 107,608 89,916 185,231 154,718 36,094 9,229 3,365
Catls Bid Bid 867 779 658 555 475 279 279 080 000 000 000 000 000 000 000 000 00	Ask 8 85 7.94 6.85 5.86 4.94 3.87 2.95 0.85 0.06 0.01 0.01 0.01 0.01	Last Last 8.79 7.82 6.83 5.81 4.75 3.79 2.71 2.00 0.80 0.01 0.01 0.01 0.01	Volume 2,161 3,078 48,779 6,376 7,654 8,181 15,559 42,530 160,642 2200,177 243,065 75,531 85,185 6,159	Strike 408.00 409.00 410.00 411.00 412.00 413.00 414.00 414.00 415.00 416.00 417.00 418.00 419.00 420.00 421.00		Bid 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	Ask 001 001 001 001 001 001 001 001 001 00	Last 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.0	Volume 16,628 9,655 22,866 16,122 26,453 28,718 107,608 89,916 185,231 154,718 36,094 9,229
8.67 7.79 6.58 5.56 4.75 3.78 2.79 0.60 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 8.85 7.94 6.85 5.86 4.94 3.87 2.95 1.95 0.85 0.06 0.01 0.01 0.01	8.79 7.82 6.83 5.81 4.75 3.79 2.71 2.00 0.80 0.05 0.01 0.01 0.01	2,161 3,078 48,779 6,376 7,694 8,181 15,559 42,530 160,642 270,317 243,065 75,531 65,185 6,159	408.00 409.00 410.00 411.00 412.00 413.00 414.00 415.00 416.00 416.00 419.00 419.00 420.00 421.00		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	001 001 001 001 001 001 001 001 001 001	001 001 001 001 001 001 001 001 001 001	16,628 9,655 22,866 16,122 26,453 28,718 107,608 89,916 185,231 154,718 36,094 9,229
867 779 659 556 475 279 177 080 004 000 000 000 000 000 000 000 000	8.85 7.94 6.85 5.86 4.94 3.87 2.95 0.85 0.85 0.06 0.01 0.01 0.01 0.01	8 79 7.82 6.83 5.81 4.75 3.79 2.71 2.00 0.80 0.05 0.05 0.01 0.01 0.01	2,161 3,078 48,779 6,376 8,181 15,559 42,530 160,642 270,317 243,065 75,531 85,159 6,159	408.00 409.00 410.00 411.00 412.00 413.00 414.00 415.00 416.00 417.00 419.00 420.00 421.00		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	16,628 9,655 22,866 16,122 26,453 28,718 107,608 89,916 185,231 154,718 36,094 9,229
7.79 6.58 5.56 3.78 1.77 0.89 0.00 0.00 0.00 0.00 0.00 0.00 0.00	7.94 6.85 5.86 4.94 3.87 2.95 1.95 0.85 0.06 0.01 0.01 0.01 0.01	7.82 6.83 5.81 4.75 3.79 2.71 2.00 0.80 0.05 0.01 0.01 0.01	3.078 48.779 6.376 7.694 8.181 15.559 42.530 160.642 270.317 243.065 75.531 85.185 6.159	409.00 410.00 411.00 412.00 413.00 414.00 415.00 416.00 416.00 419.00 419.00 420.00		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0 01 0 01 0 01 0 01 0 01 0 01 0 01 0 01	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	9,655 22,866 16,122 26,453 28,718 107,608 89,916 185,231 154,718 36,094 9,229
6.58 556 4.75 3.78 2.79 1.77 0.80 0.00 0.00 0.00 0.00 0.00 0.00 0	6.85 5.86 4.94 3.87 2.95 1.95 0.85 0.06 0.01 0.01 0.01 0.01	6.83 5.81 4.75 3.79 2.71 2.00 0.80 0.05 0.01 0.01 0.01 0.01	48,779 6,376 7,694 8,181 15,559 42,530 160,642 270,317 243,065 75,531 85,185 6,159	410.00 411.00 412.00 413.00 414.00 415.00 415.00 417.00 418.00 419.00 419.00 420.00 421.00		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.18 1.11 1.99	0.01 0.01 0.01 0.01 0.01 0.01 0.27 1.40 2.37	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.25 1.11 2.24	22,866 16,122 26,453 28,718 107,608 89,916 185,231 154,718 36,094 9,229
556 475 378 279 177 089 000 000 000 000 000 000 000 000 000	5.86 4.94 3.87 2.95 1.95 0.85 0.06 0.01 0.01 0.01 0.01	5.81 4.75 3.79 2.71 2.00 0.80 0.05 0.01 0.01 0.01	6,376 7,654 8,181 15,559 42,530 160,642 <b>270,317</b> 243,065 75,531 85,185 6,159	411.00 412.00 413.00 415.00 415.00 416.00 417.00 418.00 419.00 420.00 421.00		0.00 0.00 0.00 0.00 0.00 0.00 0.18 1.11 1.99	0.01 0.01 0.01 0.01 0.01 0.01 0.27 1.40 2.37	0.01 0.01 0.01 0.01 0.01 0.01 0.25 1.11 2.24	16,122 26,453 28,718 107,608 89,916 185,231 154,718 36,094 9,229
4,75 3,78 2,79 1,77 0,80 0,000000	4.94 3.87 2.95 1.95 0.85 0.06 0.01 0.01 0.01 0.01 0.01	4.75 3.79 2.71 2.00 0.80 0.05 0.01 0.01 0.01 0.01	7,694 8,181 15,559 42,530 160,642 270,317 243,065 75,531 85,185 6,159	412.00 413.00 414.00 415.00 416.00 417.00 418.00 419.00 420.00 421.00		0.00 0.00 0.00 0.00 0.00 0.18 1.11 1.99	0.01 0.01 0.01 0.01 0.01 0.27 1.40 2.37	0.01 0.01 0.01 0.01 0.25 1.11 2.24	26,453 28,718 107,608 89,916 185,231 154,718 36,094 9,229
378 279 177 089 080 000 000 000 000 000 000 000 000	3.87 2.95 1.95 0.85 0.06 0.01 0.01 0.01 0.01	3.79 2.71 2.00 0.80 0.05 0.01 0.01 0.01 0.01	8,181 15,559 42,530 160,642 270,317 243,065 75,531 85,185 6,159	413.00 414.00 415.00 416.00 417.00 418.00 419.00 420.00 421.00	E	0.00 0.00 0.00 0.00 0.18 1.11 1.99	0.01 0.01 0.01 0.01 0.27 1.40 2.37	0.01 0.01 0.01 0.25 1.11 2.24	28,718 107,608 89,916 185,231 154,718 36,094 9,229
2.79 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	2.95 1.95 0.85 0.06 0.01 0.01 0.01 0.01	2.71 2.00 0.80 0.05 0.01 0.01 0.01 0.01	15,559 42,530 160,642 270,317 243,065 75,531 85,185 6,159	414.00 415.00 416.00 417.00 418.00 419.00 420.00 421.00	E	0.00 0.00 0.00 0.18 1.11 1.99	0.01 0.01 0.27 1.40 2.37	0.01 0.01 0.25 1.11 2.24	107,608 89,916 185,231 154,718 36,094 9,229
1.77 0.80 0.00 0.00 0.00 0.00 0.00 0.00 0	1.95 0.85 0.06 0.01 0.01 0.01 0.01	2.00 0.80 0.05 0.01 0.01 0.01 0.01	42,530 160,642 270,317 243,065 75,531 85,185 6,159	415.00 416.00 417.00 418.00 419.00 420.00 421.00	E	0.00 0.00 0.18 1.11 1.99	0.01 0.01 0.27 1.40 2.37	0.01 0.01 0.25 1.11 2.24	89,916 185,231 154,718 36,094 9,229
0.80 0.04 0.00 0.00 0.00 0.00 0.00 0.00	0.85 0.06 0.01 0.01 0.01 0.01	0.80 0.05 0.01 0.01 0.01 0.01	160,642 270,317 243,065 75,531 85,185 6,159	416.00 417.00 418.00 419.00 420.00 421.00		0.00 0.18 1.11 1.99	0.01 0.27 1.40 2.37	0.01 0.25 1.11 2.24	185,231 154,718 36,094 9,229
004 000 000 000 000 000 000 000 000 000	0.06 0.01 0.01 0.01 0.01 0.01	0.05 0.01 0.01 0.01 0.01	270,317 243,065 75,531 85,185 6,159	417.00 418.00 419.00 420.00 421.00		0.18 1.11 1.99	0.27 1.40 2.37	0.25 1.11 2.24	154,718 36,094 9,229
0 00 0 00 0 00 0 00 0 00 0 00 0 00 0 0	0.01 0.01 0.01 0.01	0.01 0.01 0.01 0.01	243,065 75,531 85,185 6,159	418.00 419.00 420.00 421.00		1.11 1.99	1.40 2.37	1.11 2.24	36,094 9,229
000 000 000 000 000 000 000 000 000 00	0.01 0.01 0.01	0.01 0.01 0.01	75,531 85,185 6,159	419.00 420.00 421.00		1.99	2.37	2.24	9,229
0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.01 0.01	0.01 0.01	85,185 6,159	420.00 421.00					
0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.01	0.01	6,159	421.00	_				
0.00 0.00 0.00 0.00 0.00 0.00 Order Information Strike Exp [						4.04	4.44	3.69	1,022
0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0			3,017	422.00		5.06	5.36	5.00	1,483
0.00 0.00 0.00 Order Information Strike Exp [	0.01	0.01	735	423.00		6.05	6.43	5.60	1,483
0.00 0.00 0.00 Order Information Strike Exp [	0.01	0.01	244	424.00		7.08	7.44	6.61	1,072
0.00 0.00 Order Information Strike Exp [	0.01	0.01	80	425.00		8.05	8.37	7.25	635
0.00 Drder Information Strike Exp [	0.01	0.01	29	426.00		9.06	9.38	8.20	236
Drder Information Strike Exp [	0.01	0.01	19	427.00		10.06	10.34	9.51	519
Strike Exp [									
165.00 - Apr 1	ate Put/C		Ask Last			mbol			
	5 2021 🔻 Call								
Quantity 1		Route	Expiration						
1 🛟	икт	▼ SIM	▼ Day	- Posit	tion				
	top Price	High Price	Low Price						
0.00 🜲		÷ 0.00	0.00	Cxl L	.ast				
Buy to Open									

To open an options screen, select the shortcut icon from the menu bar. To show all calls if the call tab is in focus and all puts if the put tab is in focus. To bring up an option chain, enter the underlying symbol in the upper left-hand corner in the root box and hit enter. Expiration period can be changed by selecting appropriate tab. The window is arranged to show all calls if the call tab is in focus and all puts if the put tab is in focus.

A click on any one of the options symbols will bring that contract to the options order entry window. Currently, the platform allows traders to:

- 1. Buy to open and sell to close options contracts;
- 2. Setup covered calls.

# Symbol Search

		[	Search >>	Cancel	
	ID	Symbol	Company	Exchange	
1		CPT	CAMDEN PROPERTY TR	NYSE	
2		DOX	AMDOCS LTD	NQNM	

To open the symbol search function, select the shortcut icon from the menu bar or click the Symbol Search button.

# Alarm Manager

Alarm Manager				_		_				٥
Symbol	Active	Triggered	Condition	Alarm Price 🛛	Pop-up	Triggered Price				Triggered Time
TSLA	<b>V</b>			800.00	V		596.57	613.99	596.50	
MSFT	Y			200.00	X		251.36			
INTC					X					11:44:10
AAPL					X					
CSCO					X					11:44:43

To set an alarm, right-click and select "Set Alarm." Type in symbol and enter the alarm price. Setting the condition variable will indicate a high alarm or low alarm hit based on the last price.

# **High Low Ticker**

Hi/Low T	icker							۰ ب	
Symbol	Price	Text	Time	Note	NetChg	PrcNetCh	Volume		
NSPR	0.460	Day High	18:11:08	AMEX	+0.03	+6.98%	9,960,201		
VALE	19.550	Day High	18:09:10	NYSE	+0.25	+1.30%	27,680,243		
ZI	48.350	Day High	18:09:08	NQNM	+0.78	+1.64%	1,187,935		
BTN	4.720	52 Week	18:07:46	AMEX	+0.11	+2.39%	1,631,112		
ELP	1.160	Day High	18:07:07	NYSE	+0.06	+5.45%	132,592,880		
MPW	22.250	Day High	18:06:51	NYSE	+0.35	+1.60%	2,688,756		
ANPC	6.650	Day High	18:06:32	NQNM	+1.05	+18.75%	1,903,710		
INVH	33.650	Day High	18:04:34	NYSE	+0.59	+1.78%	5,967,077		

The Hi Low Ticker is a streaming ticker that allows users to watch stocks that are hitting both day high and low, as well as 52-week high and low. The information scrolls from top to bottom with the latest info populating at the top of the screen and scrolls downward as updates occur. There are several settings, traders can select for the High Low ticker. In this example, the Hi Low Ticker will only display stocks that have a positive net change.

Traders can filter exchanges in or out, can set filters for price of the symbol, the net change, the % net change and volume.

Each of these filters can be setup via the right-click menu and then selecting "Display Preferences."

Lising Exchanges	High/Low Filiter ——	Price Range	Volume Filter
VYSE Listed	☑ 52-Week High	Low 📫	Limit 5,000,000 🛟
AMEX Listed	✓ 52-Week Low	High 5.00 📜	Type Greater Than 🔻
🔽 Nasdaq Listed	🔽 Day High		
OTC / Pink Sheets	🔽 Day Low	Net Change Range	Percentage Change Range
BATS Listed		Low 0.10 📜	Low
<b>_</b>			
SE Listed		High 📮 😳	High 📮

# Hotkeys



### Hotkey Example

When mapping out hotkey commands, use the keyboard to create Buy and Sell hotkey assignments. Traders can choose Ctrl or Alt + keyboard function keys. Hotkeys can be sent via two methods: Traders can setup hotkey with option to modify share quantity, limit or stop price via keyboard before sending the order or automatically send a predefined order.

To configure the hotkeys, go to the hotkey's icon on the Main toolbar. There are six different types of hotkeys that can be used for trading in ZeroPro.

The combination of setting up all key types will allow for complete trading using the keyboard.

The hotkeys types and their corresponding functionality is as follows:

1. Window Load: This key type (auto send order box must be unchecked) will allow order setups to be added to the Level 2. This will not send an order but rather an order setup. Once loaded, the order can be modified with the arrow keys for price and volume. Once the order is ready to be sent, the order can be fired using the <u>ENTER</u> key.



In the Quantity field of the keys, traders can toggle between position and shares or no change. When the position is highlighted, the quantity box changes to percentage, so that % of current positions can be sent. When no change is highlighted, traders can enter share quantity using the numpad or using the quantity field in the order preference screen of the Level 2 window. If shares are selected, then the software will default to a predefined quantity set by the trader.

Limit prices can be adjusted by the offset field on the right. If a Buy Bid order type is desired, an offset of .01 will create a Bid + .01 order.

2. **Hotkey Execute**: This is a traditional hotkey (auto send order box must be checked) that once setup, will send an order straight away for the symbol that is in the Level 2 window that is in focus.

**Cancel**: This allows for cancel keys to be set. The options are cancel first, cancel last order, all buys, all sells, all shorts, all covers, all orders.

3. **NumPad Qty Multiplier**: When this is enabled it allows traders to set volume using a multiplier of the number pad keys. Ex: if the

multiplier is set to 500, when the trader presses the 5-key on the number pad, the volume of 2500 will be displayed in the Volume box of order entry. Use ctrl + right/left arrows to increase/decrease shares. Settings can be found in Level 2 Preferences.

4. Liquidate All: This key allows the trader to close out of all positions.



5. **Toggle Market Depths** and **Toggle Charts** – This key type is used to allow for toggling between Level 2 order entry windows and for different charts.

The difference between AllOrdersActions and SymbolOrdersAction is that AllOrdersActions is exclusive to the application and orders can be canceled from anywhere on the ZeroPro platform whereas SymbolOrdersAction requires the Market Depth window to be in focus.

# Liquidate All

Liquidate All Hotkey can be applied to Stocks only or Options only or all positions. Customize multiple Hotkeys to exit all positions based on the percentage or execute 100% of positions.

Side	Quantity Type	Order Type	Route	Time In Force	Price Source
Buy Sell Sell Short Cover	No Change Shares Position Buy Power Dollar Locate Available	MKT LMT Stop-MKT Stop-LMT MKT on Close Range LMT on Close Pegged LOO MOO	MNGD SMART ARCA BATS EDGX EDGA NSDQ NYSE EXG NSPD AMEX	Force Reject Day GTC OPG IOC FOK GTX GTD Day+ GTC+	Source AvgPx Last Ask Bid User Loaded

# Setup Or Send Order

The table above show the available fields: quantity type, order type, route, time in force and price source in the Setup-Or-Send Order preference screen.

### **Sound Events**

∠Watchlist Alarms –										
Hi Alarm:	Веер	-	Set Custom							
Low Alarm:	Веер		Set Custom							
Corder Alarms										
Order Filled:	Female Voice English		Set Custom							
Order Rejected:	Female Voice English	-	Set Custom							
Partially Filled:	Tick		Set Custom							
_Market Status										
Market Open:	Female Voice English		Set Custom							
Market Close:	Female Voice English		Set Custom							

Set Sound Events in the **General Preferences** window.

Traders can choose from an array of sounds for hi/low alarms, order alarms and market status alarms.

# **Next Generation Short Locates**

How does the new system work? During the trading day, if you have locates you no longer want or need, you can mark all or a portion of your locate shares for credit by pressing the Credit' button next to each located symbol's quantity.

By marking your locate shares for credit you will make the locate shares available on a first come first serve basis to other TradeZero clients looking for locates in the same security. You can recoup up to 50% of your initial locate cost when another TradeZero client purchases your locates marked for credit.

Symbol	Price	Shares	Total\$		Action		Time	Symb ∆ I	astPrice	Nightly	LastTime	Available	Locate		
VHC	0.0177	0/100		1.77	Accept Car	icel	08:48:23	Type Syn	bol						
ENPH	0.0208				Accept Car	icel	08:48:28	ACRS	0.0186		08:48:29		100	: Lo	cate
ACRS	0.0186				Accept Car	ncel	08:48:29	ALLK	0.0345		00:00:00		100	-	cate
CANF	0.0360				Accept Car	icel	08:48:32	APHA	0.0204		08:47:18		100		cate
					Cancel			CANF	0.0360		08:48:32		100		cate
					Cancel			CLDR	0.0206		08:20:39		100		cate
			_					ENPH	0.0208		08:48:28		100	Lo	cate
	l.	( and the second se				_		GLYC	0.0204		08:47:12		100	: Lo	cate
Inventory	History	ETB	1			-		MYGN	0.0208		08:04:03		100	: Lo	cate
Symbol	Available	Unavailable	Credited		redit	Action		PINS	0.0182		08:50:17		100	: Lo	cate
ALLK	-	0	-	100	-1.9	A		RHE	0.0324		08:47:01		100	: Lo	cate
GLYC		0	100	0	0.0			SIRI	0.0203		08:46:29	100	100	: Lo	cate
VLRX		0	100	0	0.0	L		SPWR	0.0194		08:36:40		100	: Lo	cate
	10							VHC	0.0177		08:48:23		100	: Lo	cate
SIRI	ц	iU			0.0	0 100	Credit	VLRX	0.0261		08:52:19		100	‡ <b>L</b> o	cate

The locate window has three sections.

- 1. Watchlist
- 2. Open Orders
- 3. Inventory, history and Easy to Borrow tabs

Click the **'?'** question mark on top right to activate the short locates walkthrough tutorial.

First, create a watchlist: type (search) a symbol and then select locate. If available, the locate will appear in the watchlist for you to accept or cancel. Executed orders will appear in the inventory tab. Locates that are no longer needed can be marked for credit. Once credit has been executed, credit amount will display in inventory.

# Window Session Dialog

Windows	x
Conditional Orders: Conditional Order Hi / Low Ticker Level II: GE : GENERAL ELECTRIC CO	Bring To Front
Market Clock News	Send To Back
Options: Option Chain for: Portfolio ProCharts: GE : GENERAL ELECTRIC CO (3 Minute Char	Center
Top List Watch List	
	Close Window

Use this window to find hidden windows/misplaced windows. Move windows to the front, send back, center, or close.

## **General Preference**

General Preferer	ices	x
Settings Window Colors	New Window Defaults Disable Order Confirmation Chart Indicator Set: New Chart MACD	
Data Colors Order Colors	Account Hide Account Name	
Sound	Number Formatting	
	Default Decimal Places: 2	
	Show Connection Stats	

General Preferences window includes ability to open a chart indicator set. First, create a chart with the indicators you wish to use. Right-click and select >> Indicators >> Indicator Sets >> Save Current Set. Name the Indicator Set and select Ok.

Your saved charts will now show up in the "Chart indicator Set" option in the "General Preference" settings tab.

Once the Indicator sets are created, open any new chart, and apply an indicator set from the drop-down menu or use the "Manage Indicator Sets" to Select a specific study to view.

	^
Set Name	
New Chart MACD	
New Chart RSI	
Daily 200 SMA	
VWAP Line Chart	

### **Trade Reporting**

Symb 9	Acti 4	S ⇔Type	₽ Executed ₽ Status ₽	AvgPrice + Route	⇔ Canc	eled 🖻 Start Time 🛛 👳	Account 👳	StopPr ≈ Last Time      +
GE	SELL	20 MKT	20 Filled	11.3501 MNGD	0	10:34:45 2021/	JFTZACCT	0 10:34:45 202
GE	SELL	200 MKT	0 Reject	0 SMART	200	10:34:15 2021/	JFTZACCT	0 10:34:15 202
GE	BUY	20 LMT	20 Filled	11.33 EDGX		10:24:00 2021/	JFTZACCT	0 10:24:01 202
SIRI	BUY	20 Stop_MK	T 0 Cancel	0 MNGD	20	10:20:08 2021/	JFTZACCT	6 10:21:33 202
SIRI	BUY	20 LMT	0 Cancel	0 POST	20	10:20:08 2021/	JFTZACCT	0 10:21:33 202
SIRI	SELL	10 LMT	10 Filled	5.9105 MNGD		10:14:31 2021/	JFTZACCT	0 10:14:31 202
SIRI	SELL	40 LMT	40 Filled	5.915 LAMP		10:14:28 2021/	JFTZACCT	0 10:14:28 202
SIRI	SELL	40 LMT	0 Cancel	0 EDGX	40	10:14:17 2021/	JFTZACCT	0 10:14:22 202
SIRI	SELL	50 LMT	0 Cancel	0 POST	50	10:14:04 2021/	JFTZACCT	0 10:14:11 202
SIRI	BUY	50 MKT	50 Filled	5.918 MNGD	0	10:12:22 2021/	JFTZACCT	0 10:12:22 202

Traders can view their trade executions in the portfolio manager under the order History Tab. From there, traders can check the actual time stamp of each trade. In the example above, notice that each trade execution has a timestamp indicating each symbol action, status, average price, starting and last time executed.