# analyze. trade. evolve.

# MotiveWave<sup>™</sup> What's New in Version 6.4

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# 1 Introduction

Welcome to MotiveWave<sup>™</sup> version 6.4! This document will outline the features that have been added between version 6.3 and version 6.4.

# 2 Study Quick Editor & Tool Bar Study Editor

Study controls can now be added to the tool bar and are also accessible from a new study quick editor.

#### 2.1 Study Quick Editor

Buttons have been added to the study titles to show a quick editor that contains some of the study controls.

#### 2.2 Tool Bar

A Tool Bar tab has been added to the study dialog to choose controls that are displayed in the tool bar. To enable this option, select Show In Tool Bar and then select the desired controls. Hold down CTRL or COMMAND on your keyboard to select multiple options.

🖋 Simple M	oving Average (SMA) X
SMA is an unweighted mean of the previous n ba the mean of the previous 10 days' closing prices.	rs. For example, a 10-day moving average of closing price is
General Advanced Signals Options Tool	Bar
Show in Tool Bar	
Ť ↓	
Input	
Period (bars)	
Shift Fill Forward	
Line	
Update Apply Rer	nove Defaults - Help Cancel

#### 2.3 Tool Bar Study Editor

A study editor action is available to add to the tool bar. This is used in conjunction with the Tool Bar option above and will display the selected controls.



For existing workspaces, you may need to add the Study Editor action to your existing tool bar. This can be found in Configure > Preferences > Tool Bar, select your desired tool bar and then move the Study Editor action into the tool bar actions.

\$					P	references						Х
General	Theme	Chart	Tool Bar	Sounds	Ratios	Elliott Wave	Harmonics	Historical Data	Orders	Alerts	E	
Tool Bar	Custom	Tools	Tool Grou	ne								
TOOLDai	Custom	10015	1001 0100	ps								
Use this p	anel to co	nfigure	the actions	available	on the to	olbar. Select	the tool bar y	ou wish to config	ure from t	the drop	dov	wn.
Tool Bar:	Тор		•	V Enab	led							
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M Auto	Harmonic	:				Separat	or		6.55			
* Auto	Wave					* Componer	nts					
<b>₽</b> Ballo	on Callou	t				C Replay Mo	ode					
∳ <mark>o</mark> Bar S	Settings					DOM Pane	el					
M Bat						Order Boo	k					
R Bold						Time & So	lae Danal					
				R	eset	Reset All						
					ок	Apply Car	ncel					

#### 2.4 SDK

The SDK has been enhanced to identify specific settings that are available to the Quick Editor and Tool Bar. For details see the updated SDK Document: https://www.motivewave.com/support/sdk.htm

## 3 Depth of Market Price Scaling

The scaling of the chart can now be synced to the attached DOM (Depth of Market). A new button has been added to the tool bar in the DOM to toggle this chart scaling method on/off.



# 4 LTQ (Last Traded Quantity) DOM Column

A new DOM column was added which shows the cumulative total of contracts traded since a trade was completed at another price. This column resets each time a trade occurs at a different price.

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	3713.25		82			9154	
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	3712.50		67			6667	
	3712.25		83			7416	
	3712.00		57			8980	
	3711.75		51			8504	
	3711.50		19			8026	
	3711.25	71		34		7848	
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	3708.25	77				7310	
	3708.00	92				7429	
	3707.75	78				8609	
	3707.50	104				8593	
	3707.25	61				8606	
	3707.00	185				8694	
	3706.75	59				8624	
	3706.50	63				8663	
	3706.25	57				7573	

# 5 Level II (Market Depth)

#### 5.1 Interactive Brokers

Interactive Brokers Smart Depth (Level II) was added. Open the order book to view.

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File Edit View Study Strategy Format Configure Window Help										
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		36	160 IEX		125.97	126.03	1	IEX	160	40
	125.25		2,405 NSDQ			126.03		NSDQ	1,604	50
	125.00	52	160 PEARL		125.97	126.03		PEARL	160	51
		57	802 NSDQ	5	125.96	126.04		IEX	160	52
	124.75	61	641 NSDQ	4	125.95	126.04		NSDQ	1,765	63
	1.0.0		160 IEX			126.05	5	NSDQ	802	68
	124.50	76	2,245 NSDQ	14	125.94	126.06		NSDQ	642	72
	124.25		1,283 NSDQ			126.07				73
		85	160 IEX			126.07		NSDQ	2,889	91
	124.00		962 NSDQ			126.08		NSDQ	1,124	98
			1,122 NSDQ			126.09		NSDQ		110
	123.75	108	1,603 NSDQ	10	125.90	126.10		NSDQ	4,976	141
	123.50		962 NSDQ			126.11	1	NSDQ	161	142
			481 NSDQ		125.88	126.12		NSDQ	1,766	153
	123.25	122	801 NSDQ	5	125.87	126.13	2	NSDQ	321	155
		127	801 NSDQ		125.85	126.14	5	NSDQ	803	160
l mids.	123.00	133	961 NSDQ	6	125.84	126.15	8	NSDQ	1,285	168
	122.75	135	320 NSDQ	2	125.83	126.16	2	NSDQ	321	170
l' u <sub>te</sub>		139	641 NSDQ	4	125.80	126.17	11	NSDQ	1,767	181
a second de la companya de la company	122.50	140	160 NYSENAT		125.80	126.18	4	NSDQ	643	185
L HARMENT ALL		146	961 NSDQ		125.77	126.19	9	NSDQ	1,446	194
	122.25	149	480 NSDQ	3	120.76	120.20	109	NSDQ	20,040	303
	122.00	103	640 NSDQ	4	120.70	120.21	15	NSDQ	2,410	308
		108	800 NSDQ	1402	120.73	120.22	1 6707	NSDQ	101	369
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#### 5.2 TD Ameritrade

TD Ameritrade Order Book has an added option to expand the rows by Market Maker and optionally color rows at the same price.

## 6 Trading Hours

The following enhancements have been added to the Trading Hours feature (See Configure > Preferences > General > Trading Hours).

#### 6.1 Hours

The interface for specifying trading hours has been simplified to provide the same daily hours across multiple days (e.g. Monday – Friday, Sunday – Saturday etc.)

1	Trading Hours ×
General H	ours Intraday Bars
Choose the ti session may l day starts on	me zone and trading hours below. Up to 2 session be defined by selecting the <b>Extended hours</b> check Select Time Zone values where the trading the previous day.
Time Zone:	America/New_York   Select Trading Days
Days:	Monday - Friday   Extended
Regular:	09 - 30 - 16 - 00 - 00 - 00 - 00 - 00 -
Extended:	04 - 00 - 20 - 00 - 00 - 00 - 00 - 00 -
	Set RTH and ETH times.

#### 6.2 Edit Built-In Hours

The built-in hours can now be modified instead of creating a new set of trading hours. You can revert to the default hours by selecting the modified hours in the list and pressing the Delete key.

¢		Preferences		×		
General Theme	Chart Tool Bar Sounds	Ratios Elliott Wave H	larmonics Historical Data Orders A	lerts E 💌		
General Keyboard	I Mouse Fonts Quick Se	earch Ticker Tape Lin	king Dock Trading Hours Simulate	d Accol 💌		
This panel allows you to configure custom trading hours for historical data retrieved from your data provider. Click on the '+' button to define a new set of trading hours. To assign trading hours to an instrument, edit the instrument and choose the appropriate trading hours from the <b>Trading Hours</b> drop down.						
+ /	Click here to edit the	]				
Ni	default hours	Built In	+			
Nasdaq		true				
NYSE		true				
TSX		true				
OTC	Salast the default	true				
CHX	trading hours	true				
Xetra	trading nours	true				
ASX		true				
NSE		true				

#### 6.3 Multiple Exchanges

You can now assign trading hours to multiple exchanges.

<i>8</i>			Trad	ing Hours	×
General Hou	rs Intraday Bars				
This panel allow one or more exe	vs you to define trading changes below will set	) hours th these ho	nat may ours as th	e applied to a single instrument or an exchange. Specifying e default for instruments within those exchanges.	3
Name:	NYSE			Note: name must be unique	
Exchange(s):	NYSE	• +	Defau	It Trading Hours for Selected Exchange	
	NASDAQ	- +			
	-Select Exchange-	• +			
	Week Begins On S	Saturday			
			Seleo the	t the exchange from drop down menu	

#### 6.4 Intraday Bar

You can specify a bar build method for intraday bars (overriding the global default). This bar build method will be applied to all the instruments on that exchange.

1	Trading Hours	×
General H	lours Intraday Bars	
Use the field	s below to define how intraday bars are built from minute bars.	
	Use Defaults	
Method:	Daily -	
Time Zone:	America/New_York	
Start Time:	9:30 AM (0)	

## 7 Intraday Bar Build

The method for configuring how intraday bars is built can now be configured per instrument via the Edit Instrument dialog. This allows for greater flexibility.

1		Ed	it Instrumen	t - AAPL	-	×
Modify the fi	ields below and	d press	OK to save yo	ur chang	jes.	
General (	Commissions	Data	Intraday Bars	Advan	ced	 
	Use Defa	ults				
Method:	Weekly	-				
Time Zone:	America/Net	w_York	· •			
Start Time:	9:30 AM	O				
	OK	Ord	der Presets	Delete	Cancel	

## 8 Simulated Trades Only

An option has been added to the built-in simulated account to only allow trading on the internal simulated account (Configure > Preferences > General > Simulated Account). This option is very useful if you're using your brokerage account for data while you place simulated trades.

Preferences
General Theme Chart Tool Bar Sounds Ratios Elliott Wave Harmonics Historical Data Orders Alerts E
eneral Keyboard Mouse Fonts Quick Search Ticker Tape Linking Dock Trading Hours Simulated Account
The Simulated Account is a paper trading account that locally tracks orders, positions and trades against a virtual 'account'. When placing orders against this account, no actual information is transmitted to your broker.
SIM Trade Only: V Disables trading for all accounts except for the Simulated Account
Cash Balance: 100000.00
✓ Include Commission
Reset Account
OK Apply Cancel

# 9 Chart Indicators

The following enhancements have been added to the Chart Indicators.

## 9.1 Chart Specific Settings

Charts can override the global setting from the Chart Settings dialog.

\$				C	hart S	Settir	igs					×
General Scalin	g Bar Settings	Theme	Time Axis	In	dicator	s D	ispla	/ Labels	Watermark	Trade	Elliott Wave	
Use the options to	modify how the	e price axi	is indicators a	are o	display	ed fo	r this	chart only.				
	Use Defa	ults										
Last Price	:	•	*		Line	1		Display				
Avg Entry Price	:	-	Ψ.	$\checkmark$	Line			Display				
Bid/Ask Midpoint	:	-	Ψ.		Line			Display				
Best Bid	:	-	Ψ.		Line			Display				
Best Ask	:	-			Line			Display				
Daily High	:	•	•		Line	1		Display				
Daily Low	:	•	•		Line	1		Display				
Opening Price	:	-	Ŧ		Line			Display				
Closing Price	:	-	Ŧ		Line			Display				
		0	K Save D	efau	ults	Rese	et De	faults	ancel			

#### 9.2 Average Entry Price

This new indicator displays the average entry price for the current position as an indicator.



#### 9.3 Tags

Optionally a tag may be assigned to an indicator. This tag displays the given text to the left of the indicator.



#### 10 Time Axis

The following enhancements have been added to the Time Axis.

#### 10.1 Chart Specific Settings

Charts can override the global settings from the Chart Settings dialog.

\$					Chart Se	ttings					×
General	Scaling	Bar Settings	Theme	Time Axis	Indicators	Display	Labels	Watermark	Trade	Elliott Wave	
Use the op	otions belo	ow to configure	e how maj	or time lines	are displaye	ed on cha	rts.				
		Use Defaults									
Axis Spac	cing:	25 🜲									
	$\checkmark$	Show Lines									
Line Space	cing:	100 🗢									
N	vidnight:		-	1.0 -		• E	nabled				
Start of D	ay ETH:		-	1.0 -		• 🗸 E	nabled				
Start of D	ay RTH:		•	1.0 -		- E	nabled				
End of D	ay ETH:		-	1.0 -		- E	nabled				
End of D	ay RTH:		-	- 1.0 -		- E	nabled				
Start o	of Week:		-			- E	nabled				
Start o	of Month:		-	1.0 -	] ·	• 🗸 E	nabled				
Start	of Year:		-	1.0 -	]	• 🗸 E	nabled				
Time	Of Day:	12:00 AM	0	-		1.0 -	v	Enable	d		
			OK	Save De	faults	eset Defa	aults	ancel			

#### 10.2 Line Color

A color can now be chosen for each time axis line that is enabled. Click the checkbox to the right of the color drop down to enable a specific color.

¢					Chart Se	ttings					×
General	Scaling	Bar Settings	Theme	Time Axis	Indicators	Display	Labels	Watermark	Trade	Elliott Wave	
Use the op	otions belo	ow to configure	how maj	or time lines	are displaye	ed on cha	rts.				
		Use Defaults									
Axis Space	cing:	25 🜲			Click	k to ena	ible a				
	$\checkmark$	Show Lines		/	cu	stom co	olor				
Line Space	cing:	100 🗢			L						
L I	Midnight:			1.0 -		- E	nabled				
Start of D	ay ETH:		• •	1.0 -		▼ 🗸 E	nabled				
Start of D	ay RTH:	Recent		.0 👻		- E	nabled				
End of D	ay ETH:	Standard		.0 👻		- E	nabled				
End of D	ay RTH:			.0		- E	nabled				
Start	of Week:		┉┉	.0 -		- E	nabled				
Start o	of Month:			.0 -		• 🗸 E	nabled				
Start	of Year:	More		- 0.		• V E	nabled				
Time	Of Day:	12:00 AM	0	-		1.0 -	····· ·	Enable	d		
			OK	Save De	efaults	eset Defa	ults	ancel			
			UN	Joave De				unou			

#### 10.3 Time of Day

Custom lines can be displayed at specific times of day (E.g. 11:00am).

¢					Chart Set	ttings					×
General	Scaling	Bar Settings	Theme	Time Axis	Indicators	Display	Labels	Watermark	Trade	Elliott Wave	
Use the op	otions belo	ow to configure	e how maj	or time lines	are displaye	ed on cha	irts.				
		Use Defaults									
Axis Spac	cing:	25 🜲									
	$\checkmark$	Show Lines									
Line Space	cing:	100 🜲									
N	/lidnight:		-	1.0 💌		- E	nabled				
Start of D	ay ETH:		-	1.0	,	• 🗸 E	nabled				
Start of D	ay RTH:		-	1.0		- E	nabled				
End of D	ay ETH:		-	- 1.0 -		E	nabled				
End of D	ay RTH:		-	1.0 -		E	nabled				
Start o	of Week:		-	- 1.0 -	,	- E	nabled				
Start o	f Month:		-	1.0	,	• 🗸 E	nabled				
Start	of Year:		-	1.0		• 🗸 E	nabled				
Time	Of Day:	11:00 AM	3	•	V —	1.0 -	<b>•</b>	Enable	d		
Time	Of Day:	12:00 AM	D	-		1.0 -	/	Enable	d		
Enable a custom											
time axis line											
			Ok	Save De	efaults	eset Defa	aults	ancel			

## **11 Watch List Notes**

A "Notes" column has been added to Watch Lists where you can enter custom notes. Clicking on the cell in the Watch List will allow you to edit the value in line. The notes are tied to the instrument and can also be edited and viewed in the Edit Instrument dialog.



# **12 Volume Imprint Offset**

A horizontal offset can be added to the Summary Profile, this will allow you to display two profiles without overlap.



# **m**otive**U**ave<sup>®</sup>

### **13 Other Enhancements**

Here are the other enhancements that have been added between version 6.3 and 6.4.

- a) Export Trades Exported trades now includes milliseconds.
- b) Alerts Comments are now displayed in the alerts and alert history panels.
- c) OHLC study Added Previous Open as an available option.
- d) Labelled Line Price can be chosen in the properties dialog.



e) Study Graph – Ability to remove the display of the study title (See Options tab, "Show Legend").



f) Exit Strategy – Added decimal places for stop/target where the offset type is set to "Percent".

g) Quick Search – Auto Complete feature can now be turned off.

Preferences		×
General Theme Chart Tool Bar Sounds Ratios Elliott Wave Harmonics Historical Data	Orders Aler	ts E 💌
General Keyboard Mouse Fonts Quick Search Ticker Tape Linking Dock Trading Hour	s Simulated A	Accol 💌
This panel allows you to configure the instruments that are displayed in the Quick Search drop down to specify the instruments displayed in the drop down, unselect 'All Instruments' and add the desired box below.	ield (on the too d instruments t	I bar). o the list
OK Apply Cancel		

h) TPO Study – Volume profiles now have an align option (left or right).

Format Configure Wind		
►)(* ※(½ ₩▼Ϥ, <i>¥</i>		
	Time Price Opportunity (TPO)       ×         Displays the amount of trading activity (based on time) for each price level and time period. Session times are based on the time zone assigned to the instrument.       Sessions       Options       Tool Bar         General Display IBR Value Area       Volume Profile       Sessions       Options       Tool Bar         Show Volume Profile       Image: Left Im	
	Show Value Area:	
	Range %: 70.0 \$	
	Bar Color: Enabled	
əb-04 9:00 11:00	Range Lines:	Feb-09 9:00 11:00 12:15
30 min 45 min 1 hour 2	Range Fill: Finabled	
+	Update Apply Remove Defaults - Help Cancel	s (1) +
Ask Ask S Last Pr		

- i) Mid Point Added midpoint column to Watch Lists. This is the midpoint between the bid and ask prices.
- j) Default Layout The default layout has changed when creating a new workspace.

 k) Popout Panels – A popout (open in new window) option has been added to more panels in the console: Accounts, Positions, Orders, Trades, Optimizer, Alerts, Trade Report, Options, and Journal.

Accounts (1) Accounts (1) × + Def A Account Curre Balance Unrealized PL Sessin PL Total P/L Y Simulated USD 100,000.00 Accounts panel is opened in a new window Account Sure PL Total P/L Accounts panel is opened in a new window	1		1			1			1	1
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Def4       Account       Curre       Balance       Unrealized PL       Sessit       PL       Total P/L       +         Y       Simulated       USD       100,000.00       Accounts panel is opened in a new window       136.00         b-04       10:00       Simulated       USD       100,000.00       132.00         b-04       10:00       Simulated       USD       101,000       132.00         Corders (0)       Positions       Accounts (1) × +       C       Image: Corders (0)       Positions       Account Curre       Balance       Unrealized PL       Session PL       Total P/L       +		🧕 Accor	unts (1) ×	+					C I	
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 Time Calculation Method – Added an option to calculate elapsed time in a component using elapsed time versus trading time. This option is available in Configure > Preferences > Chart > Chart Settings.

m) Time and Sales – Added an optional end time field. This allows you to scroll to a specific time in the Time and sales panel. This can be found in the Time and Sales preferences.

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- n) CQG Updated to the latest API.
- o) Cumulative Delta study Added the ability to restart the delta calculation at the start of the week or month.
- p) Trade History Added the option to choose account on the Export to CSV feature.
- q) DOM Shortcuts Added the ability to assign keyboard shortcuts to the following: Reset @Bid/@Ask, Lock DOM, and Clear Notes.