

Instructions	
Product:	TradeAssistant
Date:	February 28, 2018
Purpose:	A fast and flexible order placement tool. Setup custom triggers. Put orders in OCO groups to leverage buying power. Create OSO relationships and brackets for multiple orders easily. Check the status of orders and positions at a glance. TradeAssistant is automation for the discretionary trader.
Contact:	IQCL Solutions
Notes:	<i>(Tips & Tricks are italicized and in parentheses)</i>
Disclaimer:	This software should not be construed as providing trading or investment recommendations. Any decisions you make using this software are done solely at your own risk. The risk of loss in trading can be substantial. Leveraged trading such as through options, futures, and forex exposes traders to heightened risk. Furthermore, traders may sustain losses greater than their investments, regardless of which asset classes are traded. Before trading, carefully consider inherent risks given your financial condition.

Prerequisite Installation

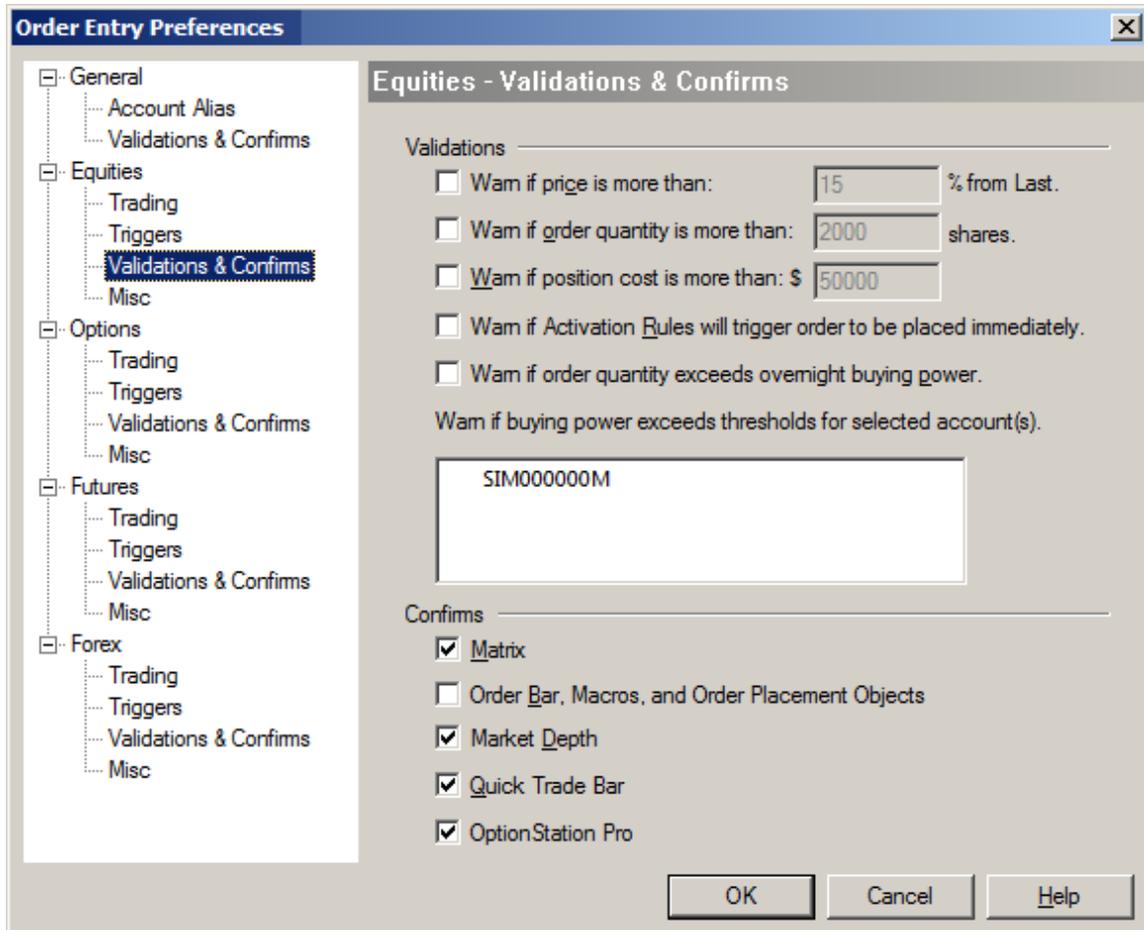
1. TradeStation 9.1 (Update 29), version 12880, or later.
2. A RadarScreen subscription. TradeAssistant is available to run in Charts but to quickly trade and monitor multiple symbols, RadarScreen is preferred.
3. TradeStation real-time data subscriptions for symbols to be traded.

Launching from a Strategy Network prompt

1. **For initial testing, log into your Trading Simulation accounts.**
2. Click the Launch button for TradeAssistant from the TradeStation Strategy Network Dashboard.
3. When the “Open Workspace Warning” dialog is raised, as long as you are in simulation accounts, click to “Open Windows with Items Enabled”.
4. Opening the demonstration workspace with items enabled, allows the workspace to open with RunCommand and Order placement objects enabled. If you chose to disable items, when you are ready to enable items, go to
 - a. Format ‘TradeAssistant’ for All Symbols... => General tab
 - b. Check “Enable RunCommand EasyLanguage Keyword” (with confirmation OFF is best to avoid often unwanted confirmation dialogs)
 - c. Check “Enable order placement objects”
 - d. *(Note: The reason both RunCommand and Order placement objects are used, is to take advantage of both technologies, as is best given your TradeAssistant order properties. So generally you want to enable both. For the specific technology required for your particular order configurations in TradeAssistant, see the TS Tech Req’d plot.)*
5. Enable “OE MACROS”. The quickest way to do this is to click on “OE MACROS” in your status bar at the bottom of platform. Make sure it is green as in the following image:



6. Further to avoid numerous possible order confirmation and validation messages that can be burdensome and interfere with your trading, check you preferences.
 - a. File => Preferences => TradeStation Order Entry...
 - b. Under Equities, Options, Futures and Forex there are Validations & Confirms. Go to each section.



- c. At a minimum, it is recommended to uncheck the Confirms for “Order Bar, Macros, and Order Placement Objects”.
 - d. Review Validations. Uncheck them or set them to levels that you feel will not interfere with your trading.
7. Now to test the application during market hours, go to the topmost RadarScreen window (with the “Entries” page). Simply change the first input:
 - a. Right-click in the left plot column of TradeAssistant, in a symbol row.
 - b. Format ‘TradeAssistant’ for All Symbols... => Inputs tab
 - c. Set TradingOn_if_1 = 1, and click OK.
8. Multiple orders should be placed and appear in the TradeManager window at the bottom of the workspace.
9. After orders are filled, go to the second RadarScreen window (with the “Exits” page) to see how you can quickly place exit orders for the new positions in your simulation account. Repeat step 7 above, for the second window. For symbols with long positions, exits orders should be placed. Symbols without long positions will result in rejected exit orders (note that this is correct behavior).

10. Finally, note that there is a minimized chart in the demonstration workspace. It is setup to place a trade for the Data1 symbol, based on Data2 having a current price greater than the session open price. The output normally seen in plot columns of RadarScreen appears in the chart status line (i.e. top line text). Double-click on the fat purple plot line in the sub-graph, or right-click to format the TradeAssistant indicator, set TradingOn_if_1 = 1, and click OK to test.
11. **Important!** After placing orders by setting TradingOn_if_1 = 1 and having your OrderCondition(s) trigger, be sure to change the input(s) back to 0, so that accidental or TradeStation forced data recalculations do not lead to potentially unwanted repeat orders. (*Otherwise, consider using the OrderName and OrderNameOnlyOnce TradeAssistant settings described below.*)

How to insert the indicator yourself

1. Open a RadarScreen window or Chart (if you don't have RadarScreen).
2. Insert the TradeAssistant indicator.
3. Enable RunCommand as explained above.
4. Enable Order placement objects as explained above.
5. Setup inputs for an order or orders that you want placed upon satisfying the OrderCondition.

TradeAssistant

Inputs	Demo Values	Notes
TradingOn_if_1	0	1 to enable automated issuing of orders. (After applying the indicator, go to the General tab and check "Enable order placement objects".)
OrderCondition	930<CurrentTime	Conditional logic that triggers the placement of your orders. The logic could be a simple time trigger as in the default, a custom function, etc.
CancelOrdersOnAppExit	TRUE	TRUE to cancel open orders of the indicator when restarting or closing the host window, workspace or platform (while set to Work Online).
TradeSymbol	Symbol	The symbol to be traded. Use the Symbol keyword to use the symbol of the chart or grid application window.
AccountIdEquities	""	The account number for Equities trades. "" causes TradeAssistant to auto-detect a valid Equities Account.
AccountIdFutures	""	The account number for Futures trades. "" causes TradeAssistant to auto-detect a valid Futures Account.
AccountIdForex	""	The account number for Forex trades. "" causes TradeAssistant to auto-detect a valid Forex Account.

OverrideAccountID	""	"" will enable using one of the above accounts. Specifying a different account number will override anything entered above.
Action	"Buy"	Order Action property. Actions include "Buy", "Sell", "Short", "Cover", "BuyToOpen", "BuyToClose", "SellToOpen", "SellToClose"
TypeOrder	"Limit"	Order Type property. "2" triggers special functionality where only the secondary child orders are sent, with a primary (optional) specified with OSOTriggerBy.
Quantity	0	Quantity order property, which should be positive. 0 or less disables.
TypeQuantity	""	"Shares" or "Currency". "" defaults to "Shares". (Note if "Currency" is set, then the exact quantity is determined by TradeStation servers. Thus the settings EqOp_QtyReducForExit and EqOp_QtyReducForBkt are disabled.)
AllOrNone	FALSE	AllOrNone order property.
ShowOnly	0	A show-only quantity to use with each order if applicable depending on symbol type, order type and order quantity. Set to 0 or less to disable.
Route	""	Order routing instructions, like can be seen in the order bar Route drop-down menu.
LimitPrice	0	Limit price order property used with limit or stop-limit order types. 0 disables.
LimitPriceType	""	"hitortake", "hitortakeplus", "iftouchplus", "improve", "join", "parentplus", "shave", "split", or "stopplus" auto-limit pricing. "" disables.
StopPrice	0	Stop price order property used with stop-market or stop-limit order types. 0 disables.
StopPriceType	""	"hitortake", "hitortakeplus", "iftouchplus", "improve", "join", "parentplus", "shave", "split", or "stopplus" auto-limit pricing. "" disables.
TrailingAmount	0	TrailingAmount order property for stop orders when the TypeTrailing input is set. 0 disables.
TypeTrailing	""	"pts" for trailing points, "pct" for a trailing percentage, or "minmove" for trailing minimum moves (via macro

		technology). "" disables.
Duration	"Day"	The duration setting for orders, like used in the TradeStation Order Bar.
GTDdate	""	To specify date as a string for "GTD" or "GTD+" durations. Date format is m/d/yy (or yyyy, yyyy/m/d, and other formats are possible within limitations).
OrderName	""	A name given to orders as an Alias. The name can be seen in the TradeManager Advanced column. (Maximum name length is 15.)
OCOGroupName	""	The name of an OCO group that the order is to join. If the group name does not already exist and is valid, it is created. See the OCOGroupName in the TradeManager Group Name column. (Maximum name length is 15.)
BracketName	""	The name of an OCO Bracket that the TradeAssistant order can join, if it is the first order for the bracket or can pair with an existing stop or limit order with the BracketName. See the BracketName in the TradeManager Group Name column, with Brk prefix. (Maximum name length is 15.)
OSOTriggerBy	""	The OrderName of an existing order, that when filled, triggers the placement of the TradeAssistant order being placed.
ActivationStartTime	""	An activation rule for the order. The order can sit on TradeStation conditional servers, and goes to market when activation time is reached. Time is specified in the format: "hh:mm:ss AM/PM"
ActivationEndTime	""	A deactivation rule for the order. The order can sit on TradeStation conditional servers. Whether still held or in the market, if unfilled, when the deactivation time has been reached, the order is cancelled. Time is specified in the format: "hh:mm:ss AM/PM"
ActivationPrices	""	Activation rules for the order. The order can sit on TradeStation conditional servers, and goes to market when activation prices are satisfied. For

		example, activation prices can be: "IBM<180&MSFT>33 CSCO<25"
OrderNameOnceOnly	FALSE	When set to TRUE, TradeStation will accept an order with the OrderName, only once for the day. This helps avoid accidental order duplications.
ChildTrailStopAmt	0	OSO child orders can be sent upon filling of the primary order. This is a trailing stop amount in points, as a percentage, or in minimum moves. If ChildTargetLimit is also specified, a bracket relationship results. 0 disables.
ChildTrailStpType	""	"pts" for trailing points, "pct" for a trailing percentage, or "minmove" for trailing minimum moves (via macro technology). "" disables.
ChildTargetLimit	0	OSO child order input specifying a profit target limit order, if applicable, upon filling of the primary order when it was an entry. 0 disables.
ChildTargtLmtType	""	"hitortake", "hitortakeplus", "iftouchplus", "improve", "join", "parentplus", "shave", "split", or "stopplus" auto-limit pricing. "" disables.
BarData_Required	FALSE	If TRUE then TradeSymbol time stamped prices (bar data) must be available before OrderCondition triggers.
OrderNameEnfMatch4ID	FALSE	If TRUE the order identification system for setting parent-child and sibling relationships definitively requires each order be identified by its order name. If the user has a TradeStation connection of questionable latency, this setting should be FALSE.
NoRejectStopMktToMkt	FALSE	TRUE to have stop prices that are already exceeded by market conditions, to immediately trigger, instead of being rejected by TradeStation.
NoPlaceIfNoOSOTrigBy	FALSE	TRUE to avoid placing an order that should be rejected because it uses an OSOTriggerBy identification that is not available.
EqOp_NoBoxingPostns	FALSE	TRUE to avoid placing an active equity or equity option entry order that should be rejected because it could box an open position (as with a buy entry order when there is an open short position).

EqOp_NoBoxingOrders	FALSE	TRUE to avoid placing an active equity or equity option entry order that should be rejected because it could box an open order (as with a buy entry order when there is an open short entry order).
EqOp_FixBoxingOSOpOA	FALSE	TRUE to modify an equity or equity option entry order that should be rejected when triggered, because it could box the position created by its parent order. It is modified to exit only.
EqOp_QtyReducForExit	FALSE	TRUE to modify an active equity or equity option exit order that should be rejected because it exceeds the available position quantity. It is modified to exit no more than what is available. <i>(Disabled if TypeQuantity = "Currency".)</i>
EqOp_QtyReducForBkt	FALSE	TRUE to modify an equity or equity option OCO Bracket order for a quantity that exceeds that of its bracket pair. It is modified for no more than that the targeted quantity of its bracket pair. <i>(Disabled if TypeQuantity = "Currency".)</i>
ColorEnabled	DarkGreen	Color to signify enabled in TradingOn, OrderConditn, and Triggered plots.
GridForeColorEnabled	Black	Foreground color in RadarScreen signify enabled in TradingOn, OrderConditn, and Triggered plots.
ColorDisabled	DarkRed	Color to signify disabled in TradingOn, OrderConditn, and Triggered plots.
GridForeColrDisabled	Black	Foreground color in RadarScreen signify disabled in TradingOn, OrderConditn, and Triggered plots.
ChangeToRecalculate	0	Change this input to force an indicator re-initialization without reloading data.

6. Set the TradingOn_if_1 input to 1 and click OK.
7. Visit us at QCLsolutions.com. An easy way to visit our posts for TradeStation products like TradeAssistant is to use the TradeStation Analysis Commentary pointer. Click on the TradeAssistant indicator where applied and then click the "See us at QCLsolutions.com" button in the opened commentary window.