



*iExpertAdvisor*TM



Client-Side Stops Plug-in

Requires VTS-Connect minimum version **4.0.0.50**

The ***Client-Side Stops Plug-in*** allows you to set Stoploss and Takeprofit values that are managed by your Expert Advisor and are not visible to your MetaTrader broker.

What is a Plug-in?

VTS stands for Visual Traders Studio.

The VTS Expert Advisor Builder is a Windows graphical application that enables non-programmers to build complex Expert Advisors by dragging, dropping and connecting logical elements.

The VTS application contains basic functionality to build almost any Expert Advisor.

A VTS Plug-in allows traders to easily implement advanced trading techniques using an add-on user interface.

Copyright © 2013 iExpertAdvisor, LLC

Contents

Enable the Client-Side Stop Plug-in.....	5
Client-Side Stops in the Toolbox	7
Emergency Stops.....	10
Using Client-Side Stops	13
fnOpenOrder.....	14
Using an Offset value with Client-Side Stops.....	16
Using an Absolute Price value with Client-Side Stops.....	20

Enable the Client-Side Stop Plug-in

You must enter your License key to enable the *Client-Side Stops Plug-in*. Your license key for all of your VTS products can be found in the [Members Area](#).

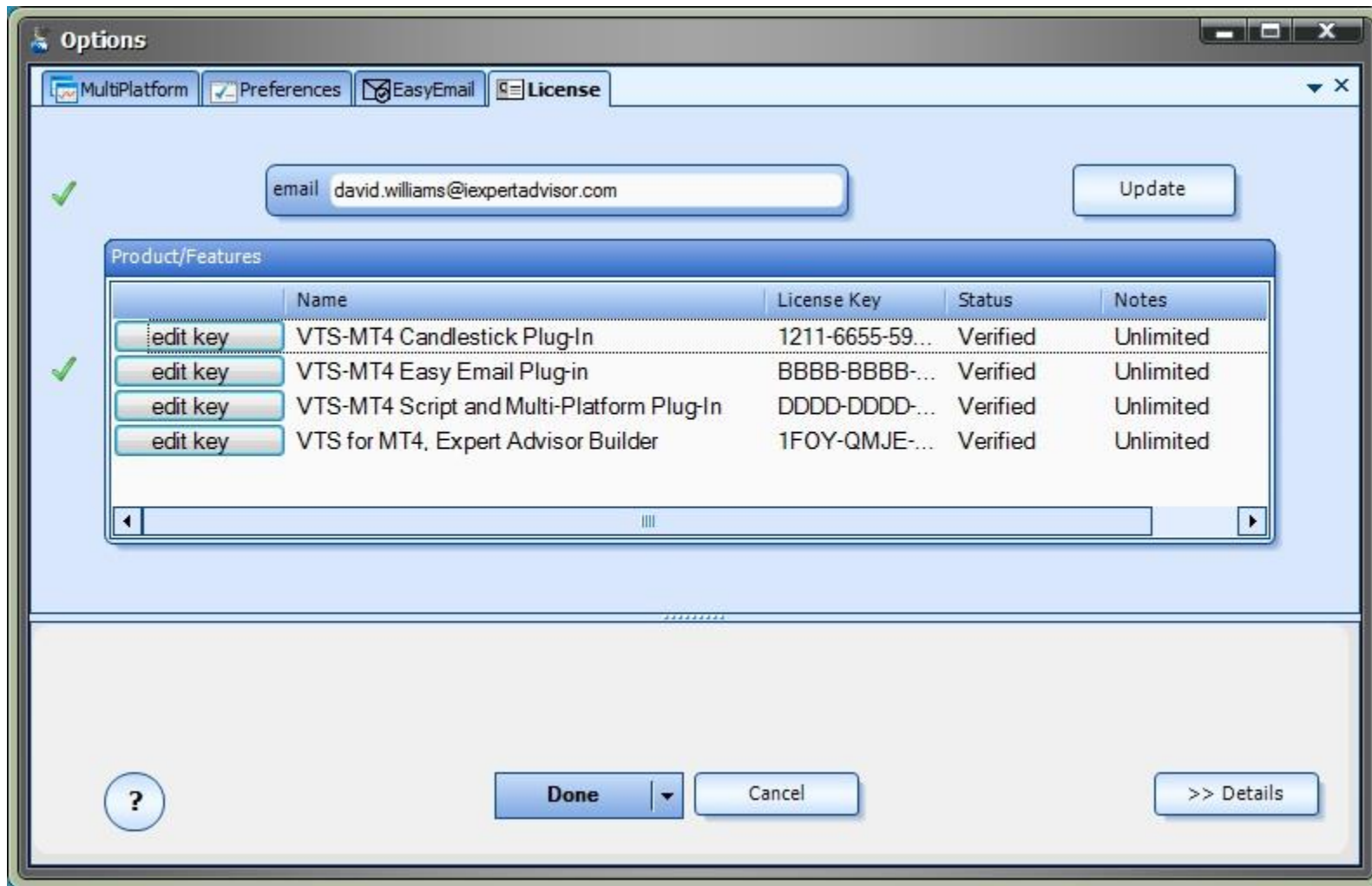
License keys are entered in Visual Traders Studio (VTS) from the License entry tab.

The email address is the email address used to purchase [VTS](#).

The License Key is the key listed in the Members Area.

The Update button is used to verify the email address and license key.

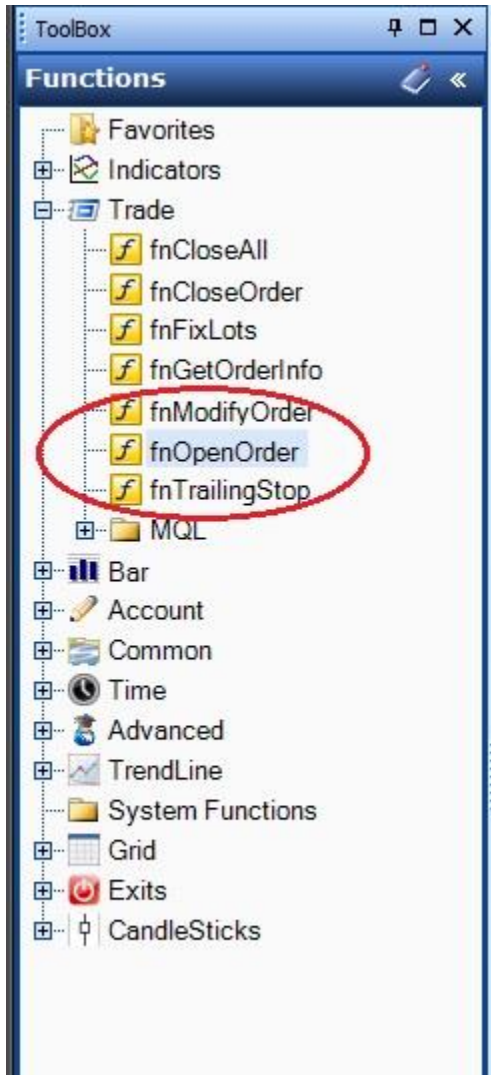
The edit key button is used edit the key value.



Client-Side Stops in the Toolbox

Client-Side Stops are set in the configuration window of the [fnOpenOrder](#) window.

The [fnOpenOrder](#) function is found in the Functions [Toolbox](#), under the Trade menu.



The parameter *stoploss* (parameter 6 of 12) contains a check box to *"Allow Client-Side Stoploss"*.

The parameter *takeprofit* (parameter 7 of 12) contains a check box to "*Allow Client-Side Takeprofit*".

fnOpenOrder1* OrderSend(CHART,OP_BUY,Ask,Slippage,Lots,StopLo...

Configure Advanced Notes Message

OrderSend Parameter 2 of 12

cmd: OP_BUY

OrderSend Parameter 3 of 12

price: Ask

OrderSend Parameter 4 of 12

slippage: Slippage

OrderSend Parameter 5 of 12 (volume)

MM Value

Choose

Lots Choose ...

OrderSend Parameter 6 of 12 (stoploss)

Offset value

Absolute value (price)

StopLoss Choose ...

Use Client-Side StopLoss

OrderSend Parameter 7 of 12 (takeprofit)

Offset value

Absolute value (price)

TakeProfit Choose ...

Use Client-Side TakeProfit

OrderSend Parameter 8 of 12 (trailingstop)

Offset value

Absolute value (price)

TrailingStop Choose ...

Use Trailing Stop

All rights reserved

Emergency Stops

Setting Emergency Stops

Emergency stop values are set in the *Maximum* tab of the [OpenTrade](#) Manager. The [OpenTrade](#) Manager is found in the [System Managers](#) window.



The values *EmergencyStoploss* and *EmergencyTakeProfit* are found on the *Maximum* tab.

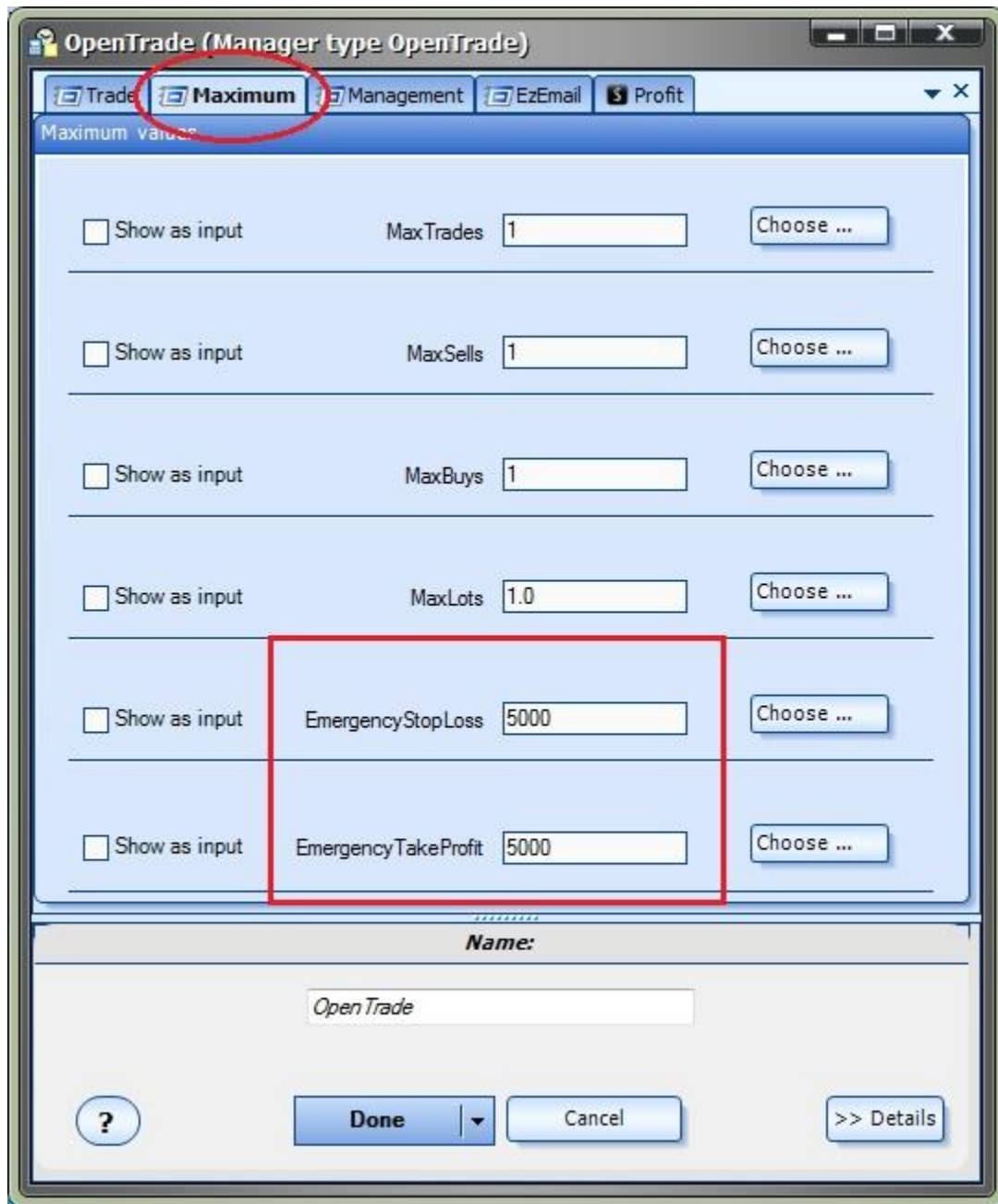
Many MetaTrader brokers will not allow a trade to be opened with a zero-value stoploss or takeprofit. In this case, a very large value can be used as the stoploss and takeprofit that is assigned to the order.

These values can also be used as actual emergency stops. **In the event that your Expert Advisor is no longer running or can NOT connect to the broker's server for any reason, these emergency stops are the only values that will close the trade** (aside from a margin call !).

www.iExpertAdvisor.com

Copyright © 2013 iExpertAdvisor, LLC

All rights reserved



Using Client-Side Stops

VTS Client-Side stops are very easy to configure. There is checkbox on the the [fnOpenOrder](#) window for enabling a client-side stoploss and/or takeprofit.

When your Expert Advisor opens a trade for which *Client-Side Stops* have been enabled (via the fnOpenOrder window):

The EA opens the trade using the [Emergency](#) Stoploss and TakeProfit values. The default values are 5000. These can be set to any value, including zero if the MetaTrader broker allows EAs to open trades with a zero value stop.

On every tick, the EA will monitor the *Client-Side Stops* and close the trade if either the stoploss or takeprofit value has been reached.

WARNING: The EA must be attached and running for client-side stops to execute! In the event that your Expert Advisor is no longer running or can NOT connect to the broker's server for *any* reason, the [emergency stops](#) are the only values that will close the trade.

These steps outline how to use *Client-Side Stops*.

[Using fnOpenOrder](#)

[Using an Offset Value](#)

[Using an Absolute Price Value](#)

fnOpenOrder

Client-Side Stops are very easy to configure. There is checkbox on the [fnOpenOrder](#) window for enabling a client-side stoploss and takeprofit.

The parameter *stoploss* (parameter 6 of 12) contains a check box to "*Allow Client-Side Stoploss*".

The parameter *takeprofit* (parameter 7 of 12) contains a check box to "*Allow Client-Side Takeprofit*".

When Client-Side Stops are enabled, the [Emergency](#) stop values are used to open the trade with the broker. The normal StopLoss and TakeProfit values in VTS are used as the stop values for the Client-Side Stop functionality.

The Offset value and Absolute value options are available for Client-Side Stops and are described in the next two sections.

fnOpenOrder1* OrderSend(CHART,OP_BUY,Ask,Slippage,Lots,StopLo...

Configure Advanced Notes Message

OrderSend Parameter 2 of 12

cmd: OP_BUY

OrderSend Parameter 3 of 12

price: Ask

OrderSend Parameter 4 of 12

slippage: Slippage

OrderSend Parameter 5 of 12 (volume)

MM Value

Choose

Lots Choose ...

OrderSend Parameter 6 of 12 (stoploss)

Offset value

Absolute value (price)

StopLoss Choose ...

Use Client-Side StopLoss

OrderSend Parameter 7 of 12 (takeprofit)

Offset value

Absolute value (price)

TakeProfit Choose ...

Use Client-Side TakeProfit

OrderSend Parameter 8 of 12 (trailingstop)

Offset value

Absolute value (price)

TrailingStop Choose ...

Use Trailing Stop

All rights reserved

Using an Offset value with Client-Side Stops

The functionality of the StopLoss and TakeProfit parameters of the [fnOpenOrder](#) function are the same when using *Client-Side Stops*.

stoploss	<p>The value at which to close the trade for a loss.</p> <p>VTS creates an extern (or Input) variable named <i>StopLoss</i> that can be used for this parameter; its default value is 200.</p> <p>A value can be manually entered into the text-box.</p> <p>A value can be selected using the Choose button.</p> <p>A value can be entered as an integer or as a price level by selecting the <i>Offset value</i> or <i>Absolute value</i> button. The <i>Absolute value</i> option is useful for using technical indicator values or price values such as <i>Low[1]</i> or <i>High[1]</i>.</p>
takeprofit	<p>The value at which to close the trade for a profit.</p> <p>VTS creates an extern (or Input) variable named <i>TakeProfit</i> that can be used for this parameter; its default value is 200.</p> <p>A value can be manually entered into the text-box.</p> <p>A value can be selected using the Choose button.</p> <p>A value can be entered as an integer or as a price level by selecting the <i>Offset value</i> or <i>Absolute value</i> button. The <i>Absolute value</i> option is useful for using technical indicator values or price values such as <i>Low[1]</i> or <i>High[1]</i>.</p>

When an *Offset value* is used, the value of the stoploss or takeprofit is captured at the time the trade is opened and it is stored locally by the EA. The stored value is used to monitor the open trade. The stored value is maintained correctly even if the EA is removed and reattached to the price chart. However, recall that the *Client-Side Stops* functionality will not execute unless the EA is attached and running.

On the chart below, the default *offset* values of 200 were used for the *Client-Side Stops* stoploss and takeprofit: These values are displayed on the top left corner of the price chart.

Notice in the *Trade* window that the actual order was opened using the default [emergency](#) stop values of 5000.

- MetaTrader
- Account
- Indicators
- Expert Advisors
- Custom
- Scripts



Order	Time	Type	Size	Sym	Price	S/L	T/P	Price	Com	Swap	Profit	Comment
220...	2013.09.17 15:...	buy	1.00	eurusd	1.33629	1.28629	1.38629	1.33598	0.00	0.00	-31.00	system9:99999

Balance: 5 005 163.33 USD Equity: 5 005 132.33 Margin: 2 672.58 Free margin: 5 002 459.75 Margin level: 18722.018%

Using an Absolute Price value with Client-Side Stops

The functionality of the StopLoss and TakeProfit parameters of the [fnOpenOrder](#) function are the same when using *Client-Side Stops*.

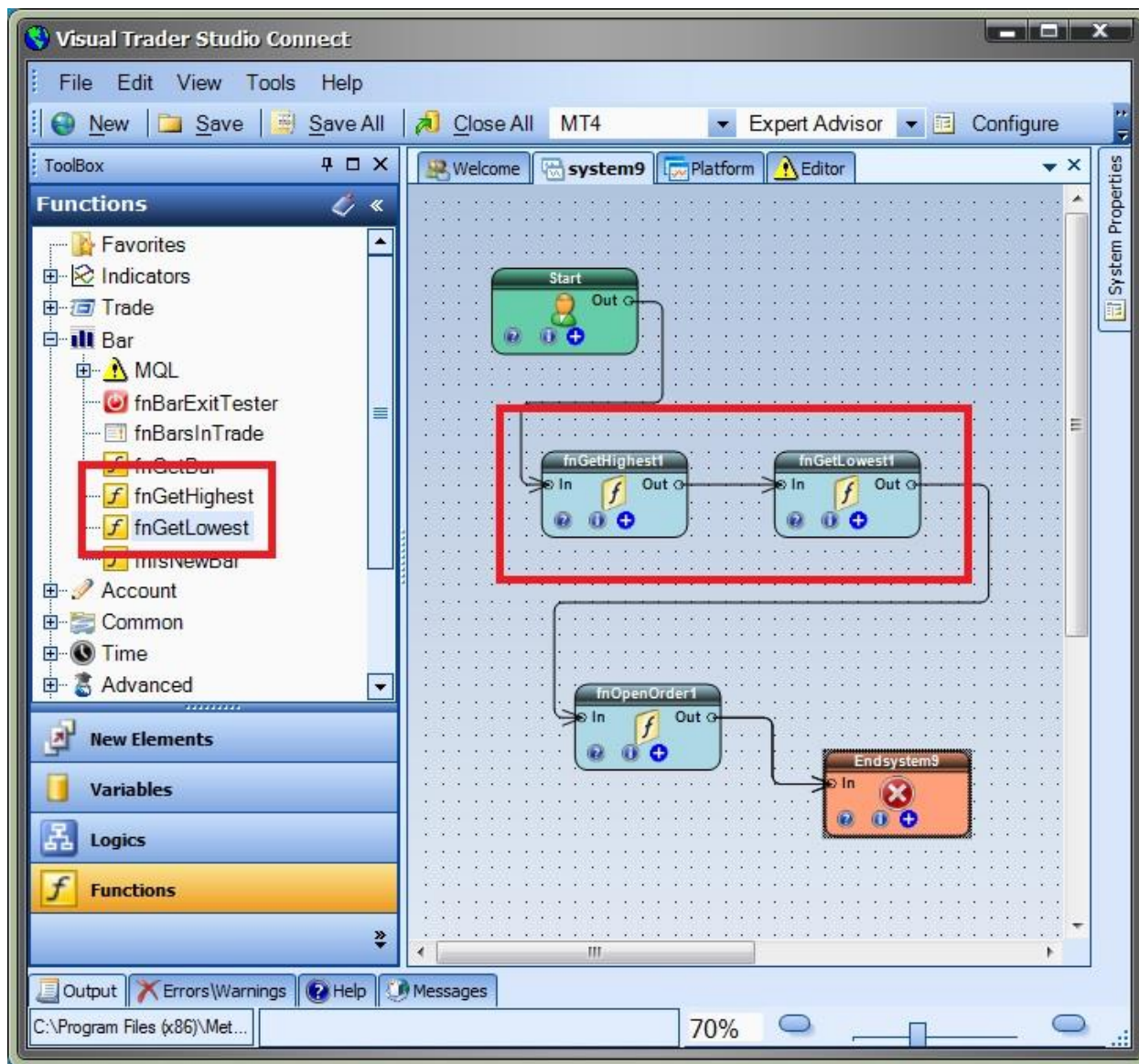
stoploss	<p>The value at which to close the trade for a loss.</p> <p>VTS creates an extern (or Input) variable named <i>StopLoss</i> that can be used for this parameter; its default value is 200.</p> <p>A value can be manually entered into the text-box.</p> <p>A value can be selected using the Choose button.</p> <p>A value can be entered as an integer or as a price level by selecting the <i>Offset value</i> or <i>Absolute value</i> button. The <i>Absolute value</i> option is useful for using technical indicator values or price values such as <i>Low[1]</i> or <i>High[1]</i>.</p>
takeprofit	<p>The value at which to close the trade for a profit.</p> <p>VTS creates an extern (or Input) variable named <i>TakeProfit</i> that can be used for this parameter; its default value is 200.</p> <p>A value can be manually entered into the text-box.</p> <p>A value can be selected using the Choose button.</p> <p>A value can be entered as an integer or as a price level by selecting the <i>Offset value</i> or <i>Absolute value</i> button. The <i>Absolute value</i> option is useful for using technical indicator values or price values such as <i>Low[1]</i> or <i>High[1]</i>.</p>

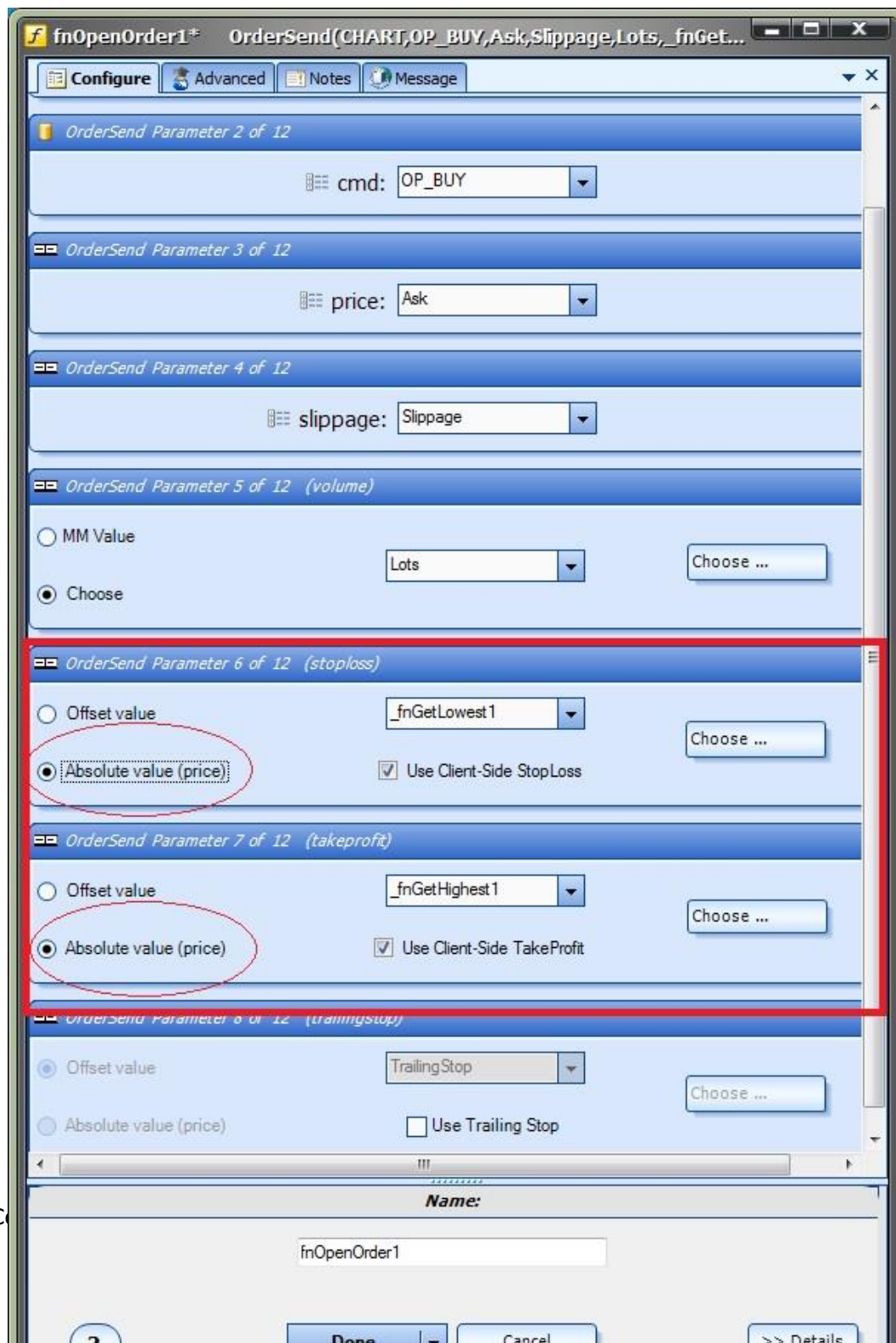
When an *Absolute price value* is used, the value of the stoploss or takeprofit is calculated on each incoming tick. Recall that the *Client-Side Stops* functionality will not execute unless the EA is attached and running.

One method for using *Absolute price values* for a stoploss or takeprofit is to use the Highest or Lowest price of the last 12 bars.

This is done in VTS by using the functions *fnGetHighest* and *fnGetLowest* found under the *Bar* menu and then assigning these values as the stoploss and takeprofit values, respectively.

This is a working, simplified drawing showing the technique.





On the chart below, the *Absolute price* values of the high and low were used for the client-side stoploss and takeprofit: These values are displayed on the top left corner of the price chart. These values are updated on every tick.

Notice in the *Trade* window that the actual order was opened using the default [emergency](#) stop values of 5000.

1322550: MetaTrader 4 - Demo Account - [EURUSD,H1]

File View Insert Charts Tools Window Help

New Order Expert Advisors

M1 M5 M15 M30 H1 H4 D1 W1 MN

EURUSD,H1 1.33525 1.33683 1.33523 1.33624
 tick=13
 Client-Side Stop:22030123 Stoploss:1.3325
 Client-Side Stop:22030123 Takeprofit:1.3368
 Message from Element fnGetHighest1
 Value of _fnGetHighest1:1.336830
 Message from Element fnGetLowest1
 Value of _fnGetLowest1:1.332470
 Trade Open Disabled: MaxTrades reached

Order /	Time	Type	Size	Sym...	Price	S / L	T / P	Price	Com...	Swap	Profit	Comment
220...	2013.09.17 15...	buy	1.00	eurusd	1.33656	1.28656	1.38656	1.33624	0.00	0.00	-32.00	system9:99999

Balance: 5 005 169.33 USD Equity: 5 005 137.33 Margin: 2 673.12 Free margin: 5 002 464.21 Margin level: 187.2953%

Terminal Trade Account History Alerts Mailbox Signals Code Base Experts Journal

For Help, press | Default 239/1 kb

