iExpertAdvisor™

Power Package Plug-in

Requires VTS-Connect minimum version **4.0.0.32**

The Power Plug-in provides advanced functionality to the Logic and Function Elements.

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.

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Contents

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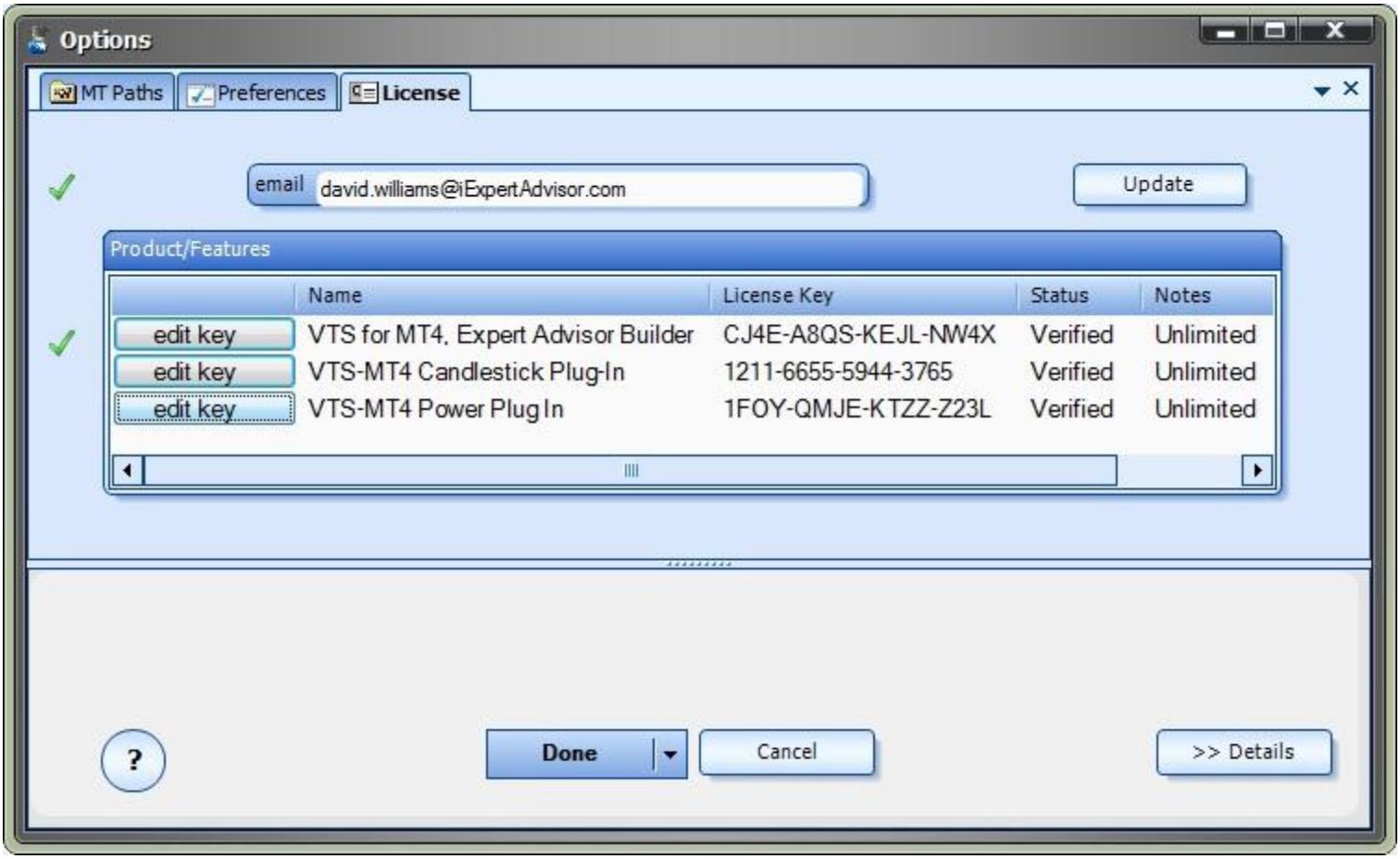
Enable the Function and Logic Power Plug-in

You must enter your License key to enable the ***Function and Logic Power 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 that is sent to the email address.
- The **Verify** button is used to verify the email address and license key.
- The **Add** button is used to add a key.
- The **Remove** button is used to remove a key.
- Double-click a key to edit its value.



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Logic Power Tab

The **Logic PowerTab** offers extended functionality to the VTS LogicElement.

- Generally speaking, when a LogicElement evaluates to **True**, the execution of an Expert Advisor follows a path to perform a specific action, such as open, close or modify a trade.

- The options available from the **Logic Power Tab** allow a trader to apply advanced rules to ***how and when*** the LogicElement evaluates to **True**. These rules are outside the typical ***greater-than, less-than*** evaluation of a logical condition.

- The **Logic Power Tab** offers the following options:

    - ***Logic Evaluation Frequency***
    - ***Minimum required TRUE count***
    - ***Maximum allowed TRUE count***

- **Note:** All times are determined by the MetaTrader Platform's clock, ***not*** the local clock of the running PC.

Logic Evaluation Frequency

This option defines how ***often*** a Logic is evaluated to be **True.**

On every new tick	The Logic is checked for **True** on every incoming tick. This is the default selection.
On every new bar	The Logic is checked for **True** only on the start of a new bar (or candle). The bar length is defined by the chart to which the EA is attached.
On every new hour	The Logic is checked for **True** only at the start of every hour.
On every new day	The Logic is checked for **True** only at the start of every day.

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Minimum required TRUE count

This option defines ***how many times*** a Logic must evaluate to **True** before the Logic returns a **True** value.

Once only	The Logic only needs to evaluate to **True** once. This is the default selection.
Count per bar	The **Count** value can be set to any integer above one. The Logic must evaluate to True **Count** times within a single **Bar** to return **True**. The bar length is defined by the chart to which the EA is attached. The running count is reset to zero at the start of a new **Bar**.
Count per hour	The **Count** value can be set to any integer above one. The Logic must evaluate to True **Count** times within an **Hour** to return **True.** The running count is reset to zero at the start of a new **Hour**.
Count per day	The **Count** value can be set to any integer above one. The Logic must evaluate to True **Count** times within a **Day** to return **True.** The running count is reset to zero at the start of a new **Day**.
Count per run	The **Count** value can be set to any integer above one. The Logic must evaluate to True **Count** times within one **Run** of the EA. The running count is reset to zero each time the EA is restarted.

Maximum allowed TRUE count

This option defines how many times a Logic***may evaluate*** to **True**.

Unlimited	The Logic may return **True** and unlimited number of times. This is the default selection.
Count per bar	The Logic may return **True** once per **Bar**.
Count per hour	The Logic may return **True** once per **Hour**.
Count per day	The Logic may return **True** once per **Day**.
Once per run	The Logic may return **True** once per **Run**.

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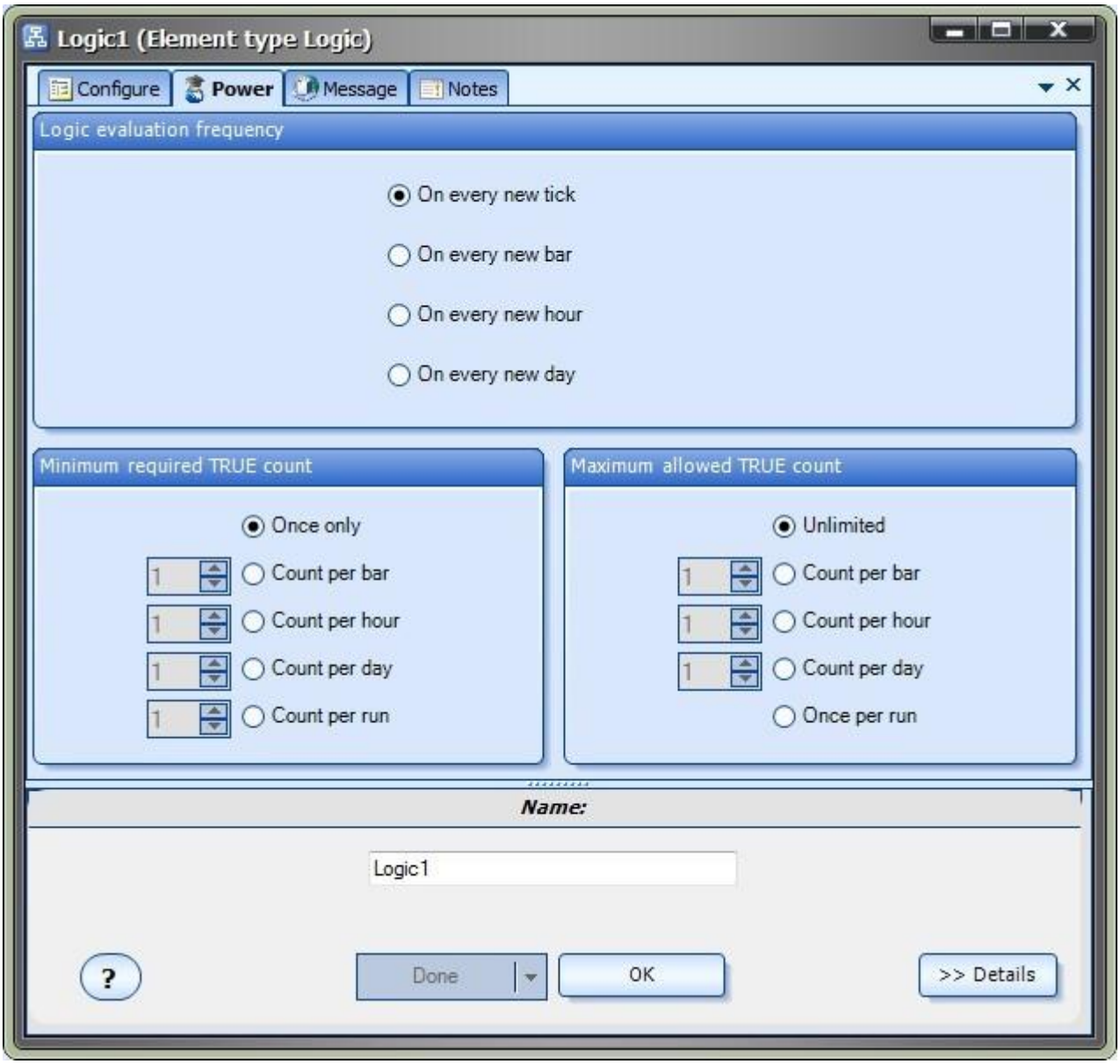

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Function Power Tab

The **Function PowerTab** offers extended functionality to the VTS Platform FunctionElement.

- The **Function Power Tab** offers the following options:
    - ***Channel value***
    - ***Trending value***
    - ***Average value***

Channel value

- A channel is a collection of contiguous price bars (or candles).
- This option gets the **Highest** or **Lowest** value, within a specific channel, of the platform function.
- **Channel type** is defined as **CHANNEL_HIGH** or **CHANNEL_LOW**.
- The **Start candle** is the first candle of the channel.
- The **End candle** is the last candle of the channel.

Note: Candles are numbered from right to left, starting at zero. The *currently forming candle* is candle number zero. See the shift dialog for a diagram.

Trending value

- A trend is defined when a value moves in a continuous direction, either up or down.
- This option determines if a platform function is trending or not. A value of one is returned if there is a trend; a value of zero is returned of there is not a trend.
- **Trend type** is defined as **TREND_UP** or **TREND_DOWN**.
- The **Start candle** is the first candle of the channel to be tested for the trend
- The **End candle** is the last candle of the channel to be tested for the trend.
- The **minimum change** value defines the minimum change in value that must occur for a trend to be confirmed. The default value is 0.
- The **maximum outlier** value defines how many values within the channel can be against the trend and still confirm the trend. The default value is 0.

Average value

- This option calculates the moving average of the last number of bars of the platform function.
- **Bars** defines the number of bars that are used to calculate the moving average.
- The selected **Method** defines the method used to calculate the moving average. The options are SMA, EMA, SMMA, LWMA.

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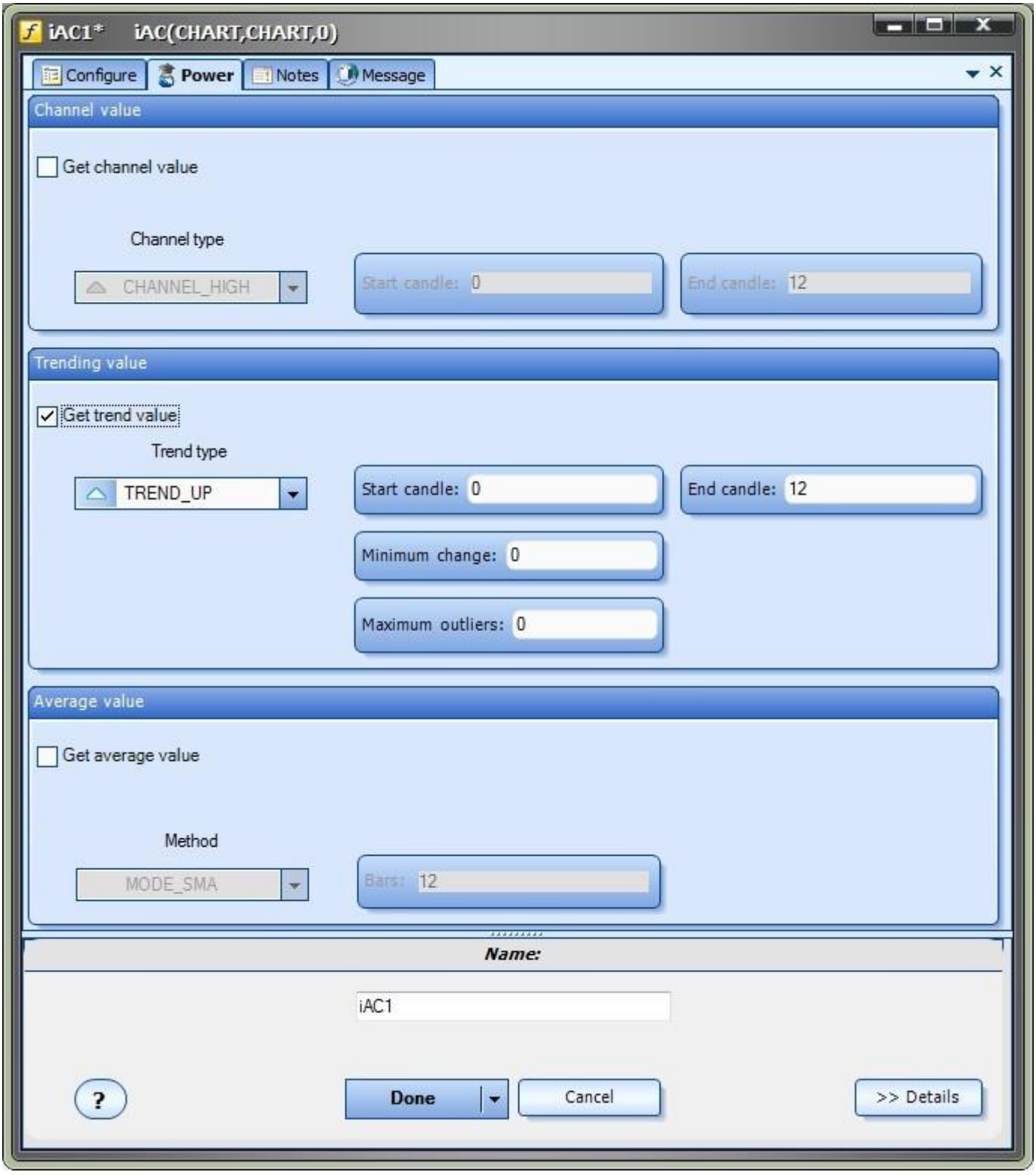

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