

Multi-Indicator

Introduction

The Multi-Indicator generates a one-page matrix of miniature charts (“mini-charts”) for multiple instruments, multiple time-frames and multiple technical indicators. This is an ideal way to display key technical information about a wide-range of instruments and time-frames on a single chart.

The multiple instruments can be selected from some pre-defined groups (e.g. forex majors, equity indices, USD forex pairs, etc.) or a custom selection list can be used.

The instruments are displayed in separate rows. Each row is then divided into several columns. Each column defines a time-frame (e.g. m5, m30, H1, D1, etc.), and one of a small selection of standard technical indicators.

Currently the following list of standard technical indicators is supported: Simple Moving Average (MVA), Exponential Moving Average (EMA), Relative Strength Index (RSI), Commodity Channel Index (CCI), Stochastics Fast (SFK), Stochastics Slow (SSD), Moving Average Convergence Divergence (MACD), Average True Range (ATR) and Directional Movement Index (DMI).

There is also an option to specify a custom indicator. However, there are a few restrictions when using custom indicators:

- No more than 4 outputs streams can be displayed
- Multi-Indicator does not know about any special reference levels (e.g. over-bought / over-sold), line colours, line styles, or any other specific settings for custom indicators

In addition price history can be displayed, either as a line chart (of close prices) or a bar chart (of high/low/close prices).

Installation

Please use the provided installer.

This software is for MarketScope 2.0 charting/trading application. There are no special hardware or software requirements. If your PC will run the MarketScope 2.0 software then you should be good to go. A good performance internet connection is recommended.

NOTE: The installer also installs an indicator called “HLC”. This indicator is used internally by the Multi-Indicator, and it is not intended to be used on its own. It simply splits the price bar into separate high/low/close output streams.

User Guide

The indicator is drawn as an “oscillator” in the panel below the chart. It does not really matter which chart instrument the indicator is applied to, since it loads all of its own data. However, it should be an instrument that is traded 24 hours.

Maximize the size of the “oscillator” panel. It is not possible to scroll or pan inside the “oscillator” panel, so this limits the number of instruments that can be comfortably displayed to about 10-12.

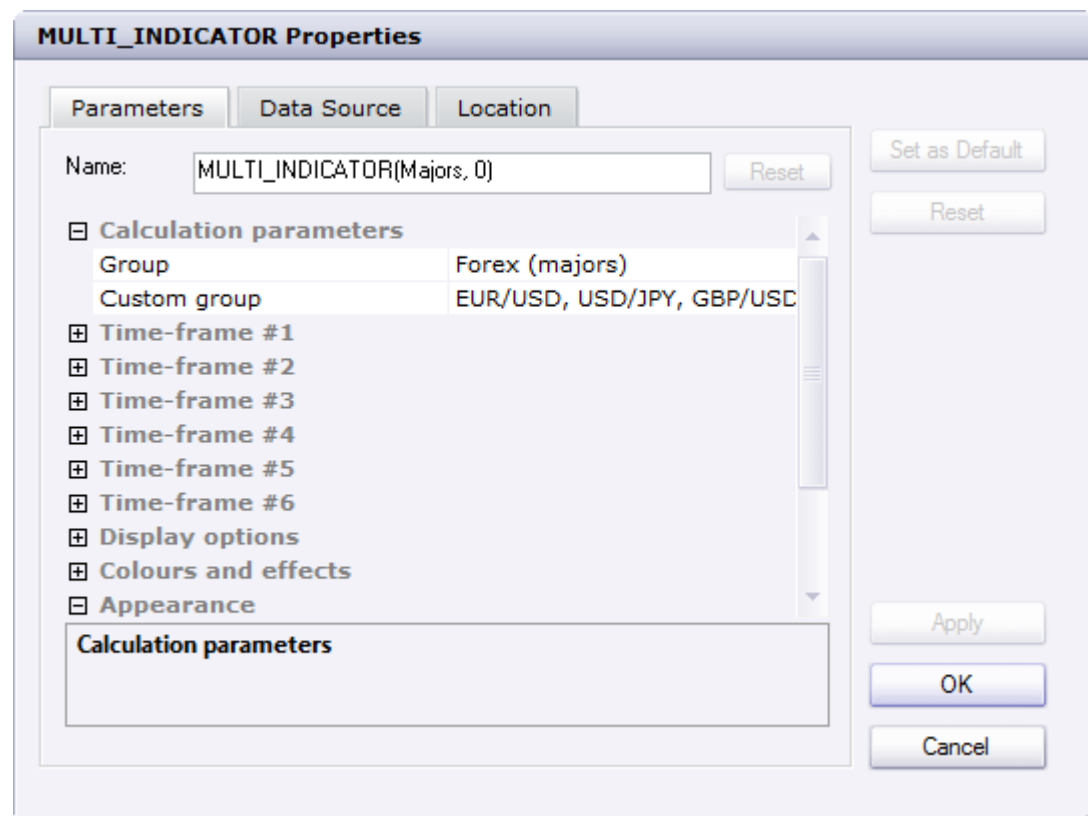
The indicator value(s) and key reference levels (e.g. the traditional 70/30 levels for RSI) can also be displayed on the mini-charts.

The indicator value(s) are also shown as “tool-tips” (i.e. when your mouse hovers over one of the mini-charts).

Figure 2 shows how to configure the Multi-Indicator to use a custom indicator.

Input Parameters

Calculation Parameters



Group: This parameter allows you to easily select the subset of instruments to use for the multi-timeframe analysis. You can select from “Forex (majors)”, “Equity indices”, “Commodities & metals”, “Custom” or all forex instruments with a certain base currency (for example all USD based currency pairs). The “Custom” group is specified in the following parameter.

NOTE: If the TradingStation platform is not subscribed to any of the instruments in a certain group then the subset of instruments will be empty and the indicator will not function.

Custom group: This is a comma-separated list of instruments, which will be used when the “Group” parameter is set to “Custom”.

Timeframe Parameters

MULTI_INDICATOR Properties

Parameters | Data Source | Location

Name:

Calculation parameters

Time-frame #1

Time-frame	m5
Historic bars	20
Indicator	Price (high/low/close)
Custom indicator	MVA
Parameter #1	0.0
Parameter #2	0.0
Parameter #3	0.0

Time-frame #2

Time-frame #3

Time-frame #4

Time-frame #1

NOTE: There are 6 “Time-frame” groups (#1 to #6). The basic parameter options are the same for each group.

Time-frame: This is the time-frame (or period) of the data to be used, e.g. m1, m5, H1, D1, W1, etc.

Historic bars: This is the number of bars of historic data to display in the mini-chart.

Indicator: This can be one of several common standard indicators. Currently the following are supported: MVA, EMA, RSI, CCI, SFK, SSD, MACD, ATR and DMI. If Custom is selected then the indicator is specified by the parameter “Custom indicator” (see below). Price can also be specified, either as close prices or high/low/close prices.

Custom indicator: This is the name of the custom indicator to use, when the “Indicator” field is set to “Custom”. Figure 2 shows how to configure the Multi-Indicator to use a custom indicator.

Parameter #1, #2, #3: Most indicators use just 1 parameter (e.g. the length of a moving average). Some indicators use more (e.g. SFK uses 2 parameters; SSD uses 3 parameters; MACD use 3 parameters). Unused parameters are ignored. Custom indicators do not use these parameters.

Display Options

MULTI_INDICATOR Properties

Parameters | Data Source | Location

Name:

☒ Time-frame #5

☒ Time-frame #6

☒ Display options

Sort by (time-frame #)	0
Show reference lines	Yes
Show values	Bottom left

☒ Colours and effects

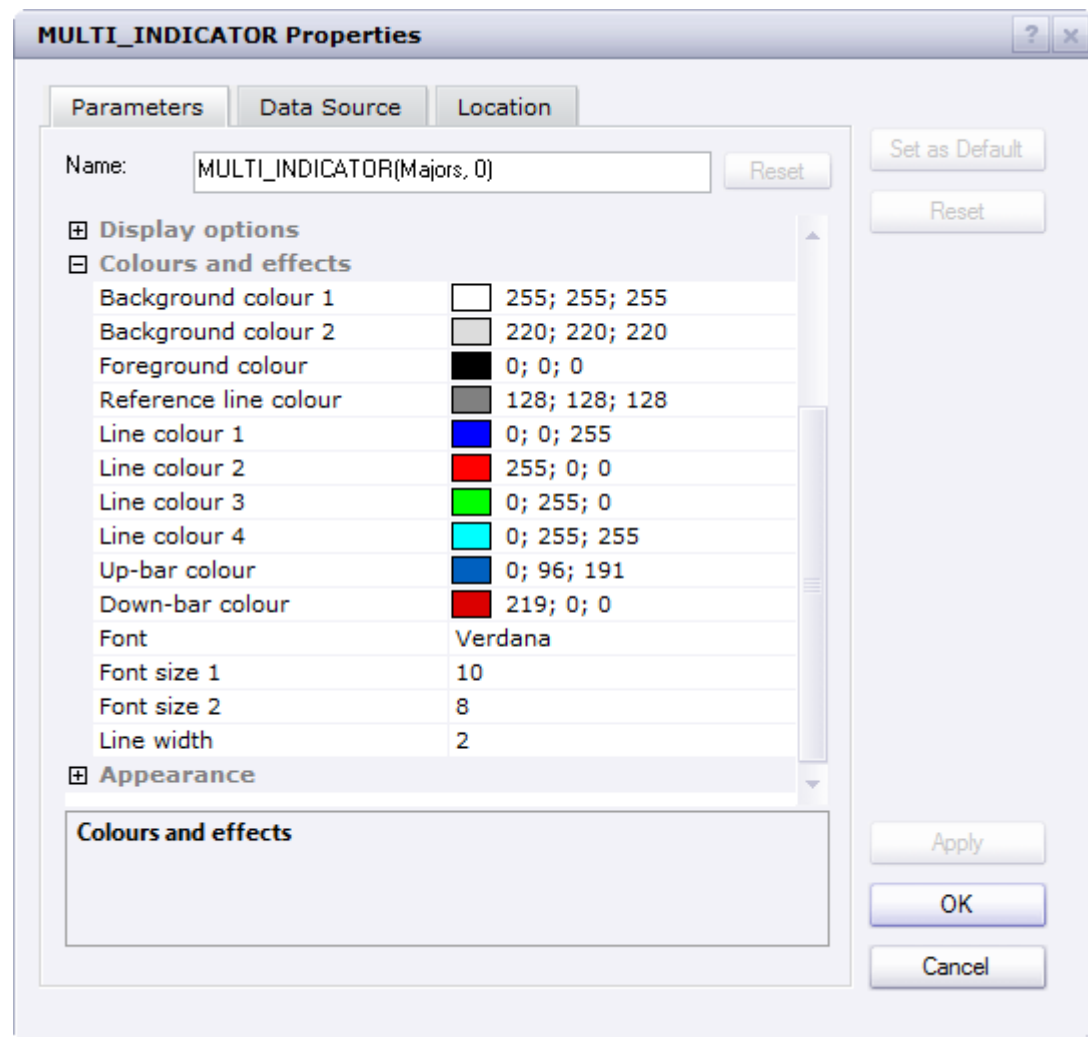
☒ Appearance

Sort by (time-frame #): The table can be sorted (numerically from high to low). Use this input option to select the time-frame column used for sorting. Set to 0 to have no sorting.

Show reference lines: When set to Yes, lines are drawn at standard reference levels for some indicators. For example, RSI has over-bought level at 70 and over-sold level at 30; SFK and SSD has levels at 80 / 20; CCI has levels at +100 / -100.

Show values: When set to something other than “Off”, the current indicator value(s) are also shown on the mini-chart. The parameter also controls the position of the text within the min-chart.

Colours and Effects



Background colour 1: The background colour for the table.

Background colour 2: The background colour for the header row.

Foreground colour 1: The foreground colour for the table (used for text, lines, etc.).

Reference line colour: The line colour for indicator reference lines.

Line colour 1: The line colour for indicator stream 1.

Line colour 2: The line colour for indicator stream 2.

Line colour 3: The line colour for indicator stream 3.

Line colour 4: The line colour for indicator stream 4.

Up-bar colour: The colour for up-bars when high/low/close price bars are used.

Down-bar colour: The colour for down-bars when high/low/close price bars are used.

Line width: The line width for indicator streams.

Screenshots

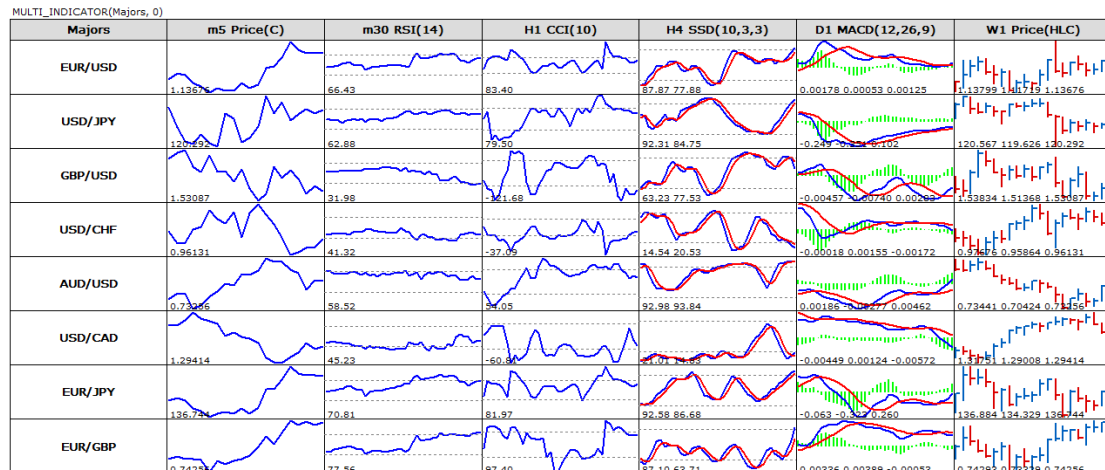


Figure 1 : Screenshot showing typical usage

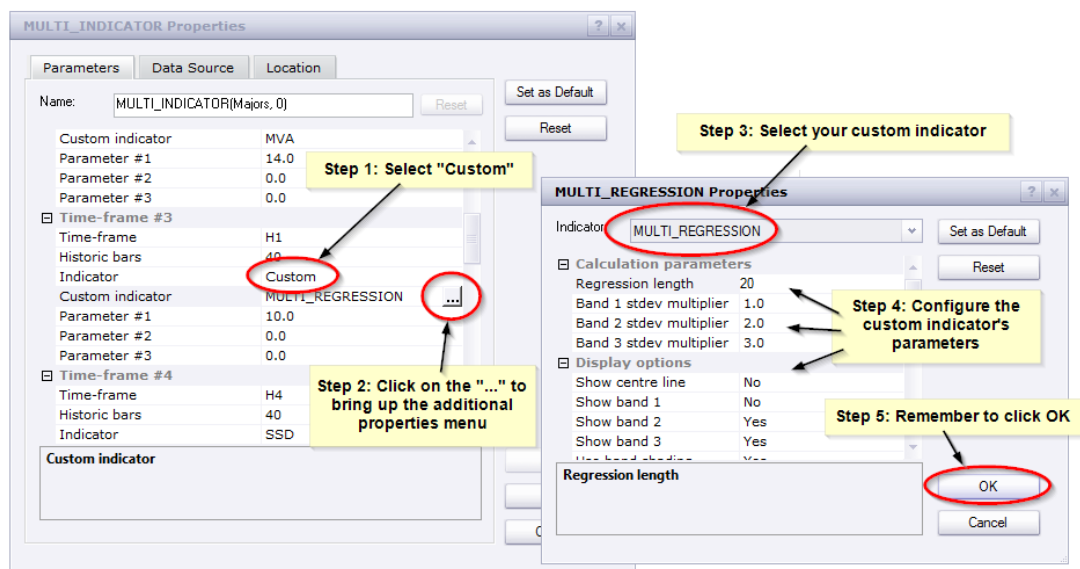


Figure 2 : Configuring Multi-Indicator to use a custom indicator

Support

Should you have any problems with installation or use of this indicator, then please email sjdcknsn@gmail.com with a description of your problem or query.

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