



COMPONENTS FOR XCELSIUS

IMT Slider

User Guide

Version 1.1

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Inovista IMT Slider for Xcelsius

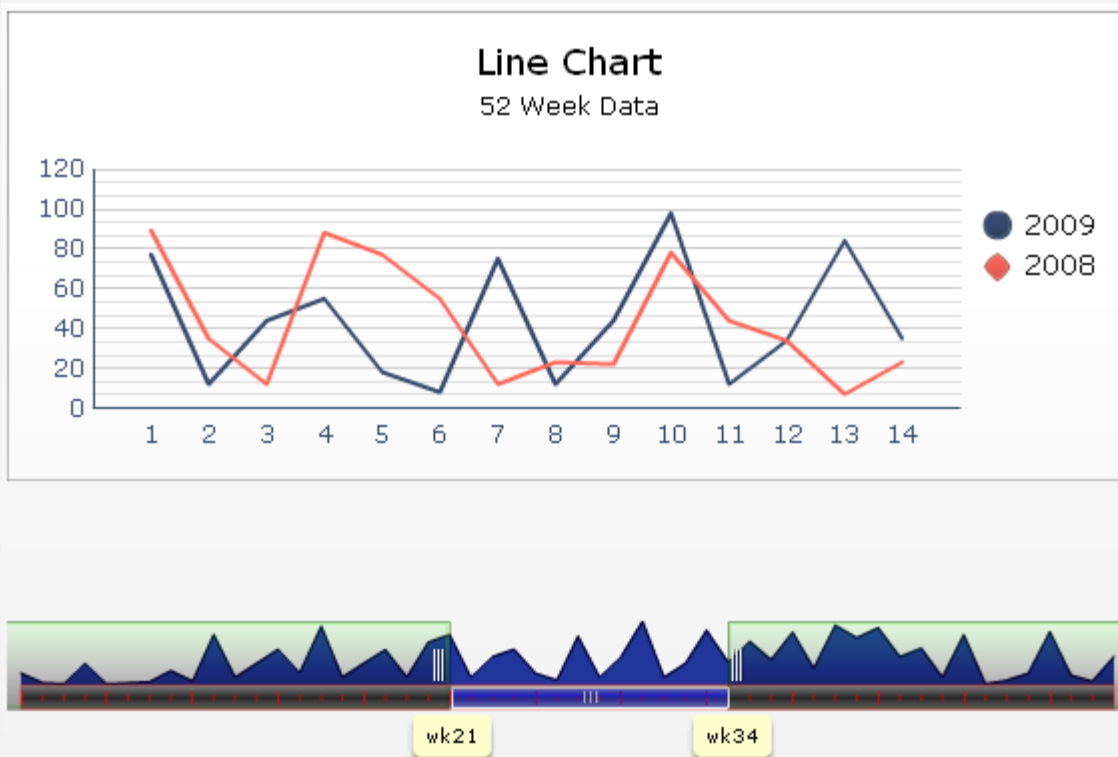
INTRODUCTION

The Inovista IMT Slider provides a user with the capability of adjusting data ranges for Xcelsius components at run time. By dragging the tabs at either end of the slider a range of data is selected. Moving either of the tabs will result in a further adjustment of the data range.

Once a range is selected, the whole range itself can be moved by dragging the thumb scroll bar between the end tabs. For example, to look at a ten week data range, move the end tabs so that the required period is selected. Then drag the thumb scroll bar to move throughout the whole range while keeping the same ten week period.

Multiple data series can be updated simultaneously. The slider works by copying chunks of data from one part of the Xcelsius spreadsheet to another.

For added visual effects, an optional micro chart, representing the values of one of the data series, can be displayed between the end tags.



MORE INFORMATION

For more information about all Inovista products, please go to:

www.inovista.com

Check in the Samples and Tutorial tabs for examples and videos that can be downloaded.

To ask a question about this document or any Inovista product , please contact Inovista with either of the following email addresses:

support@inovista.com

info@inovista.com

SYSTEM REQUIREMENTS FOR INSTALLATION

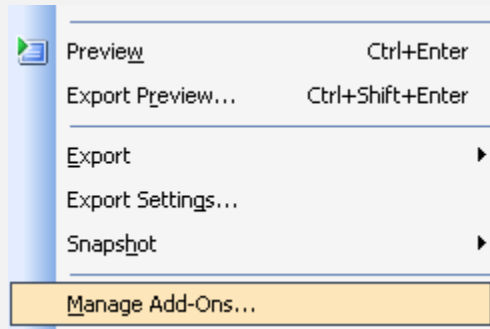
Xcelsius 2008 Service Pack 1 or later

Flash Player 9 or greater

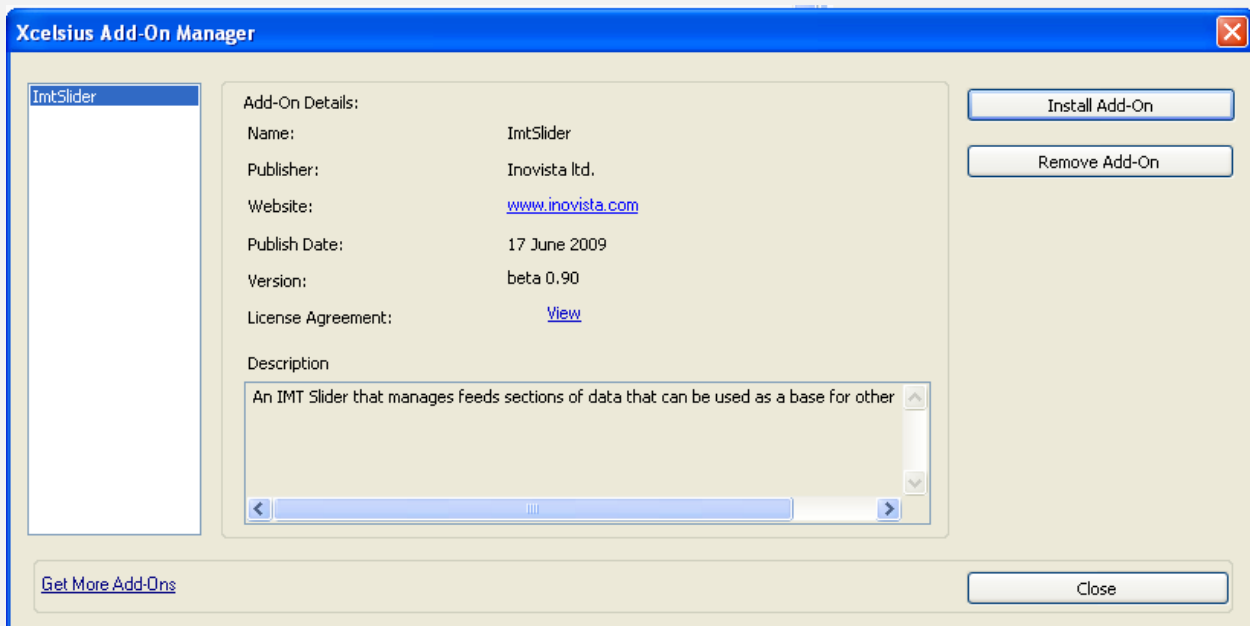
At least 2 Gigabytes or RAM is recommended

INSTALLING INOVISTA ADD-ONS

1. Open Xcelsius and select the *File* menu option. On the menu drop down, select *Manage Add-Ons...*



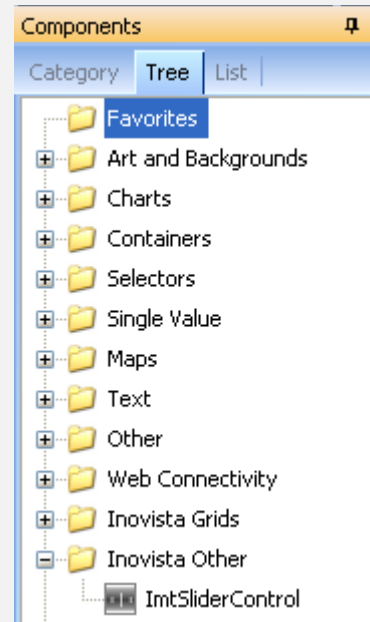
2. On the window that pops up, click on the *Install Add-On* button and locate the downloaded .xlsx in the file system.



3. Close the pop up window and restart Xcelsius. On restart, the component should be available in the Xcelsius components box.

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To use the component, once installed, simply drag the required component from the Component tab to the Xelsius canvas.



DATA MANIPULATION

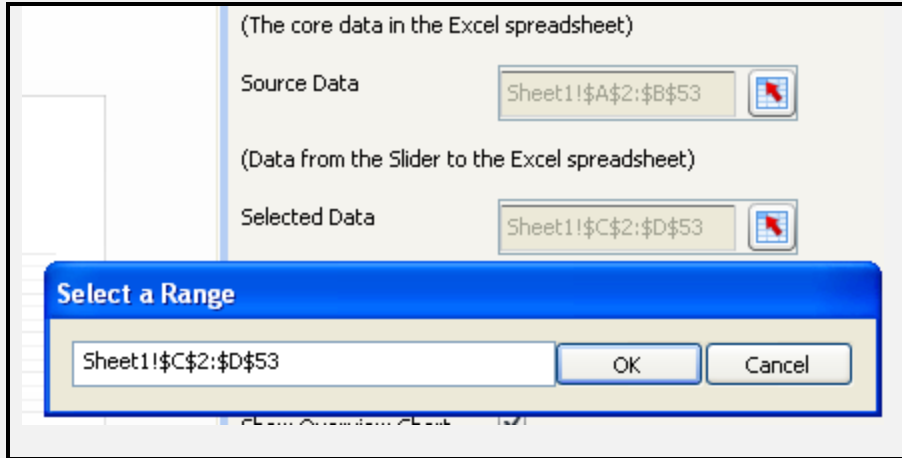
The IMT Slider manipulates data ranges at run time by copying sections of the base data range to another range. Both of the ranges are defined in Xcelsius. As the sliders are moved, the secondary data range is updated. In the example below, a user has selected a range of 8 values. This range is then copied over to the secondary range overwriting any existing data. This secondary data range can then be used as a data driver for other Xcelsius components.

	A	B	C	D	E
3	4	64		5	97
4	2	38		22	33
5	34	22		6	7
6	2	66		77	2
7	4	12		12	91
8	5	97		34	34
9	22	33		55	77
10	6	7		19	55
11	77	2			
12	12	91			
13	34	34			
14	55	77			
15	19	55			
16	90	88			
17	12	1			

Copy Data Section

Copying a Data Range Section

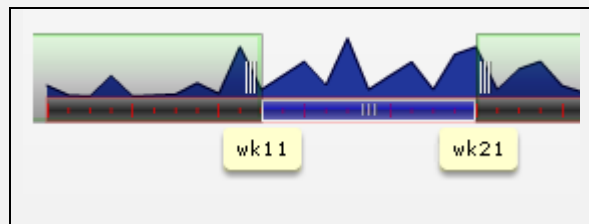
The data ranges are defined in Xcelsius using the standard range popup boxes.



Define the Source and Output Data

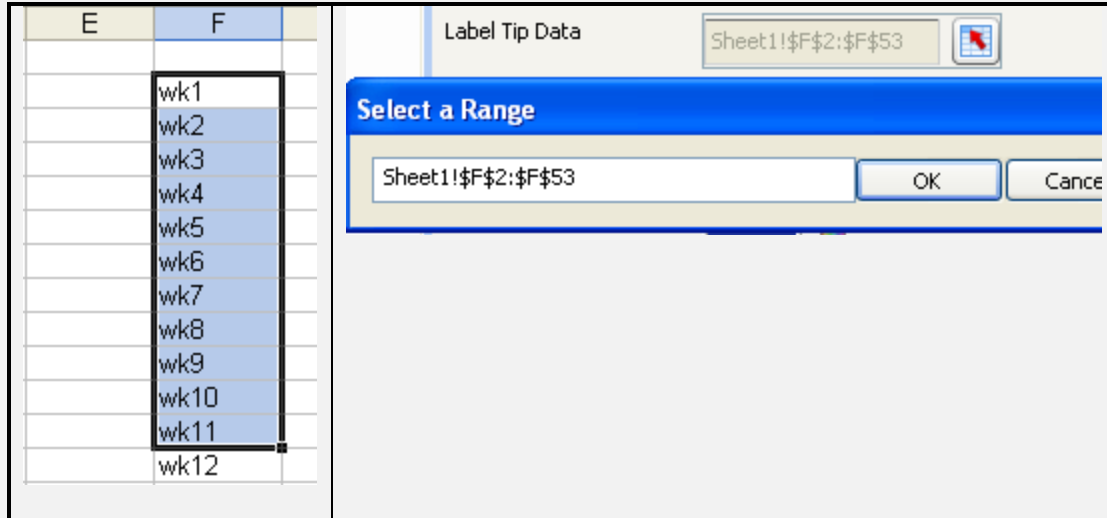
RANGE TOOL TIPS

The tool tips for the data ranges are defined in exactly the same way as the data ranges.



Range Tool Tips

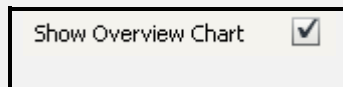
From the 'Label Tip Data' property, select the column that contains the values that are used as data tips. These values will be in the same order as the main data value.



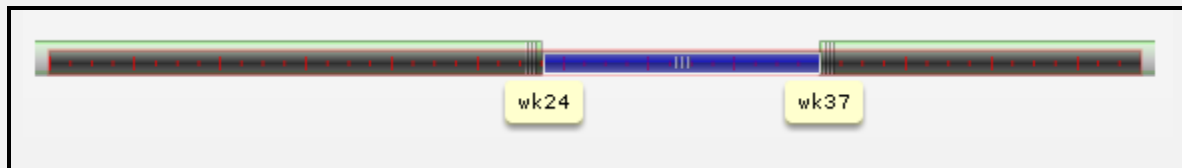
Selecting the Tool Tip Data

OVERVIEW MICRO CHART

The Micro Chart contained within the IMT Slider provides an overview of the complete range of the first data series in the data set and does not vary when the slider tags are adjusted.



This component is optional. To remove the chart, deselect the 'Show Overview Chart' option in the property editor.



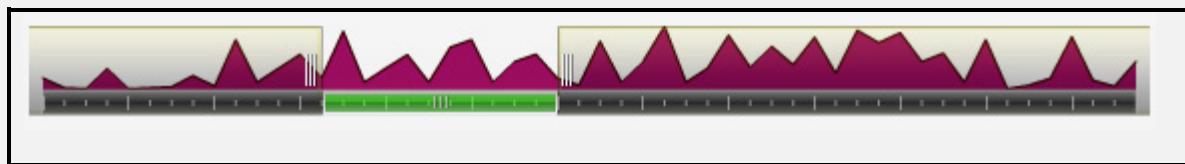
The Slider with no Micro Chart

LOOK AND FEEL CUSTOMIZATION

All aspects of the IMT Slider are based as themes and can be customized. The theme options are:

- Chart Theme Color
- Thumb Theme Color
- Track Theme Color
- Slider Theme Color

A property editor, including the advanced color editor, is available for each option. The advanced color editor will allow a designer to select the exact color required.



Update Theme Colors

USING THE PROPERTIES SHEET

MAIN PROPERTY EDITORS

SPREADSHEET BINDING

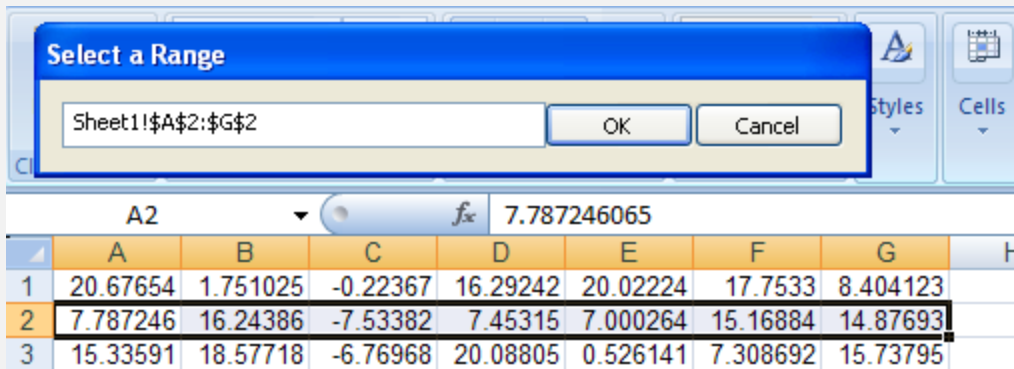
To use data from the spreadsheet, use the bind editor property.

For the chart to be visible in a preview, the values must be set.

Values

Click on the button on the right hand side, to present a popup dialog box which allows the selection of a spreadsheet data range. Depending on the property, the data to select may be contained in a row or column of data.


Multiple rows and columns may also be selected if that is relevant to the property.

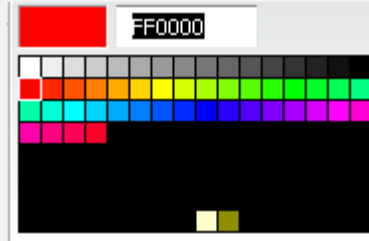


COLOR PROPERTIES


The color editors generally provide a standard and advanced color picker. Where relevant, there is also a checkbox which is used to activate or deactivate the property.

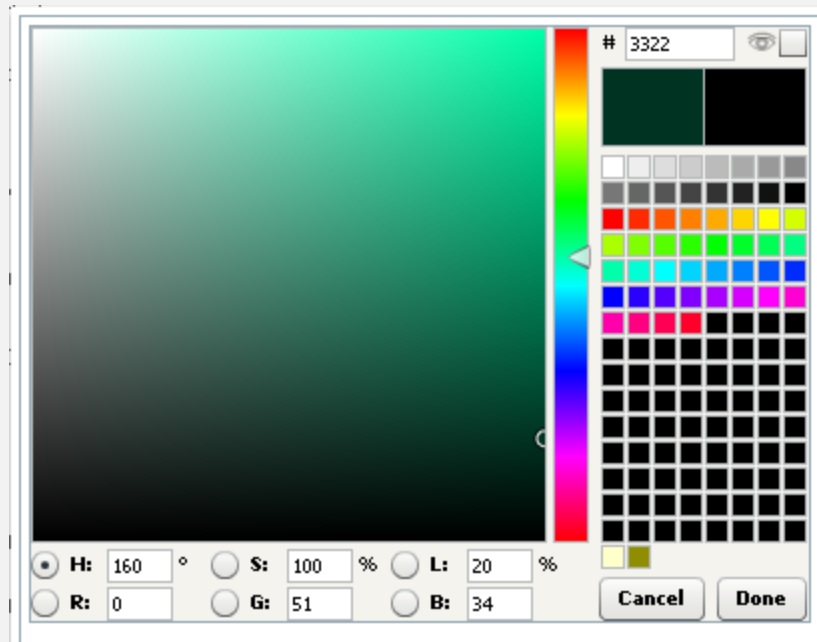
Negative Line  

To select a standard color or a color that has been recently used, click on the standard color picker option . Then select the required color from the options available.



TIP
In the standard color picker, type or paste the hexadecimal value into the field at the top and hit enter to use that color.

To use the advanced color picker, click on the rainbow button . This will present the advanced color dialog.



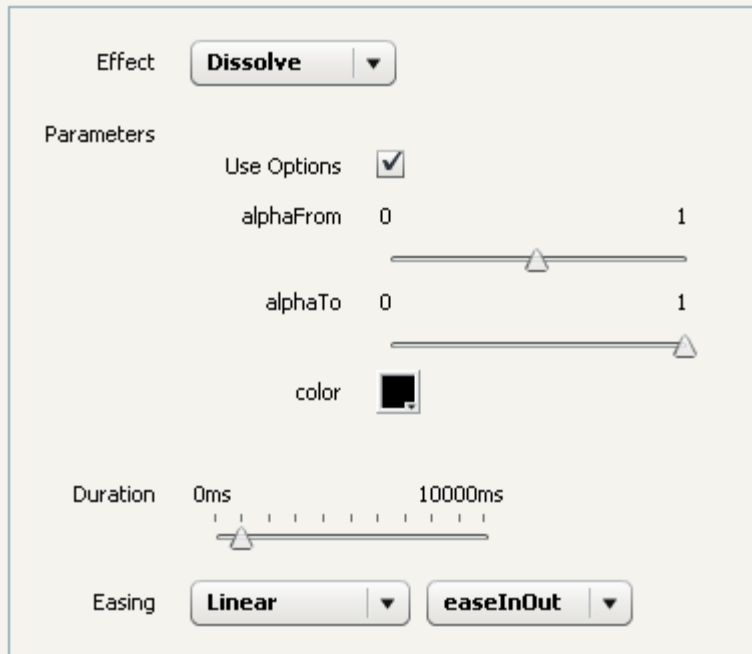
Use the slider to the right of the spectrum to set a base color range, and then click on the color on the main panel in order to select a color for the property. When finished, click on the 'Done' button.

The actual hexadecimal value of the color can be entered into the text field at the top right of the dialog.

Hue, Saturation and Luminance values can be entered at the bottom of the dialog as can decimal Red, Green and Blue values.

EFFECT PROPERTY EDITORS

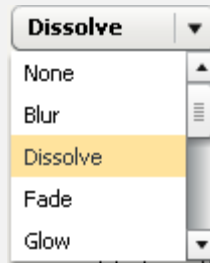
Effect Configurator



There are options for the creation of effects when the IMT Slider is opened, made visible or hidden. These effects are defined in the effect editor. A full range of effects are available and include:

- Blur
- Dissolve
- Fade
- Glow
- Move
- Resize
- Rotate
- Wipe Down
- Wipe Left
- Wipe Right
- Wipe Up
- Zoom

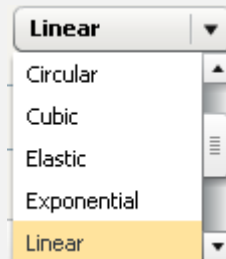
Select the required effect (or None) from the 'Effect' drop down.



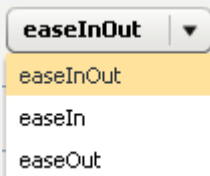
Select the duration of the effect. Valid options are from 0 milliseconds to 10,000 milliseconds or 10 seconds.



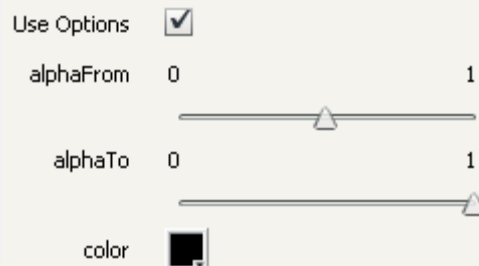
Select the required 'Easing Function'



Select the required 'Easing Method'



To further refine the effect, select the 'Use Options' checkbox. This will enable the options for the effect that has been selected.



Note that the options available for each effect will vary.

THE GENERAL TAB

The main property sheet for the IMT Slider is contained within the General tab.

Use the 'Source Data' text field popup button to define the range of data for the IMT Slider. This may be multiple columns and/or rows.

This is the data that will be used by the Slider on startup.

Use the 'Selected Data' text field popup button to define the spreadsheet range that will be populated by the IMT Slider as its tabs are dragged.

The 'Label Tip Data' text field defines the range of single row or column data that will be used by the IMT Slider to create tool tips.

Use the 'Show Overview Chart' checkbox to show or hide the micro chart that represents the first data series in the IMT Slider.

Select the 'Ignore Empty End Data' checkbox to ignore empty spreadsheet data cells that occur at the end of the data range.

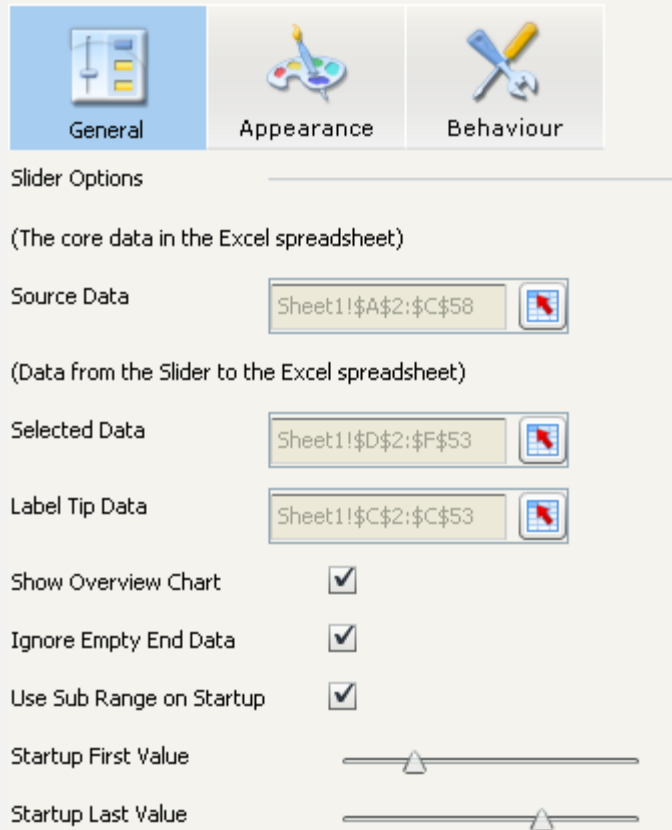
Select the 'Use Sub Range on Startup' checkbox to show a sub set of the data in the slider. The sub set of data that is shown on startup and update of source data is defined in the 'Startup First Value' and 'Startup Last Value' property sliders.

Use the 'Chart Theme Color' color picker to set the chart color.

Use the 'Thumb Theme Color' color picker to set the thumb color.

Use the 'Track Theme Color' color picker to set the track color.

Use the 'Slider Theme Color' color picker to set the slider color.



THE APPEARANCE TAB

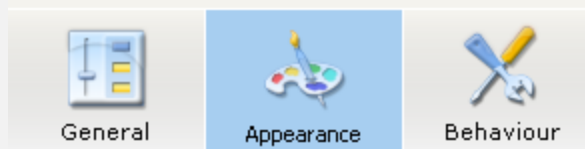
The IMT Slider color themes are defined in the appearance tab.

Use the 'Chart Theme Color' standard or advance property editor to select the color theme that will be used for the micro chart that represents the first data series.

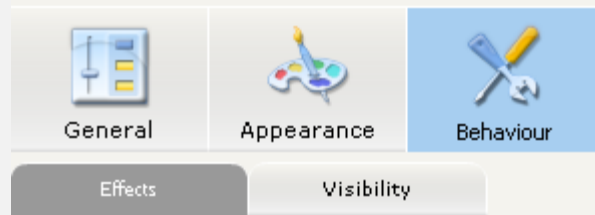
Use the 'Thumb Theme Color' standard or advance property editor to select the color theme that will be used for the thumb objects on the IMT Slider.

Use the 'Track Theme Color' standard or advance property editor to select the color theme that will be used for the IMT Slider track.

Use the 'Slider Theme Color' standard or advance property editor to select the color theme that will be used for slider object.



THE BEHAVIOUR TAB



Within the Behaviour tab, there are 2 sub tabs. These are:

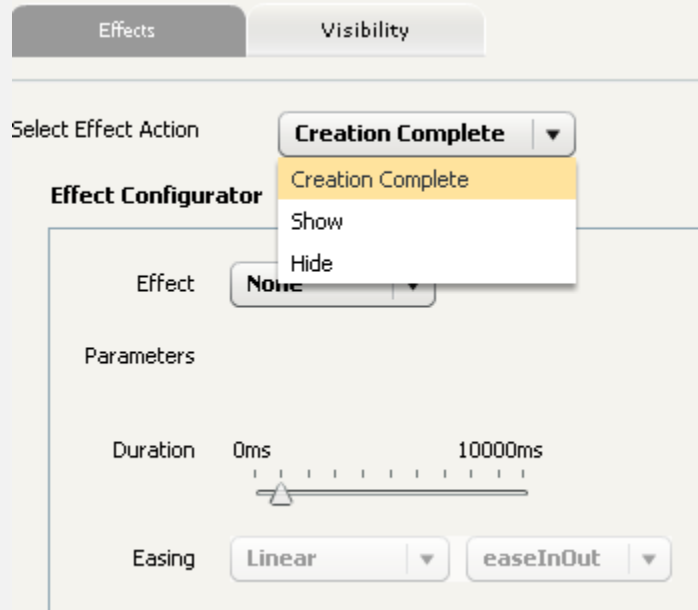
- Effects where the IMT Slider effects are defined for certain events such as when it is opened, made visible or hidden.
- The visibility status of the IMT Slider can be defined to depend on the value in a spreadsheet.

THE BEHAVIOUR/EFFECTS SUB TAB

In the 'Select Effect Action' drop down, select the required event that will cause the effect to start. Note that all the effects can be used for each component. Valid events are 'Creation Complete', 'Show' and 'Hide'.

Select the effect (or None) that will be used for the specific event that is selected in the 'Select Effect Action' drop down.

See the Effect Property Editors section above for more information on how to use this editor.



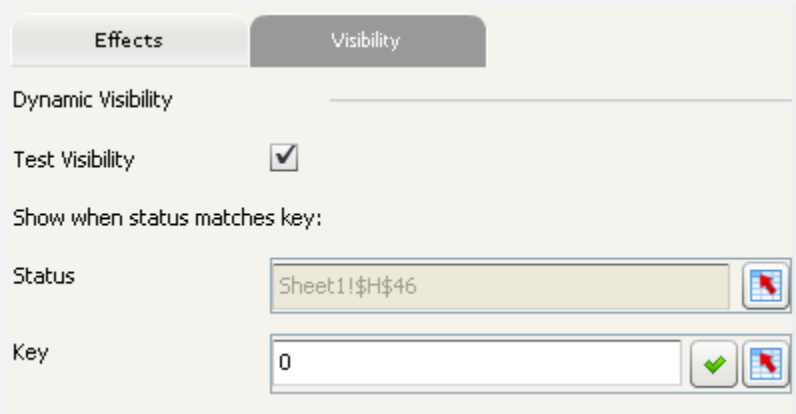
THE VISIBILITY SUB TAB

The visibility tab provides options that make the component visible or invisible depending on the value of a cell in the spreadsheet.

To check for visibility, select the 'Test Visibility' checkbox.

When the value in the 'Status' field matches the value in the 'Key' field, then the component will be visible.

Use the popup button to select the status. Use the popup button to select the key in the spreadsheet or enter the value manually.



The screenshot shows the 'Visibility' sub-tab of the IMT Slider interface. It features two tabs: 'Effects' and 'Visibility', with 'Visibility' currently selected. Below the tabs, the 'Dynamic Visibility' section is active. It includes a 'Test Visibility' checkbox which is checked. Underneath, the text 'Show when status matches key:' is displayed. There are two input fields: 'Status' and 'Key'. The 'Status' field contains the text 'Sheet1!\$H\$46' and has a small popup button to its right. The 'Key' field contains the number '0' and has two buttons to its right: a green checkmark button and a red X button with a spreadsheet icon.