

WebSlider White Paper

This whitepaper describes the concept and features introduced in WebSlider.

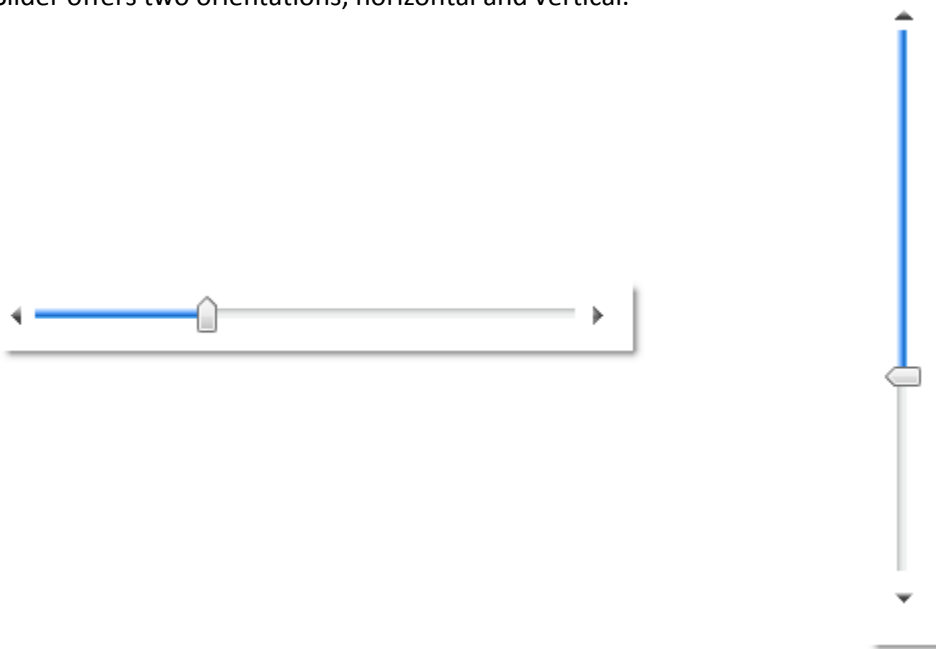
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Flexible Layout and Behavior Customization

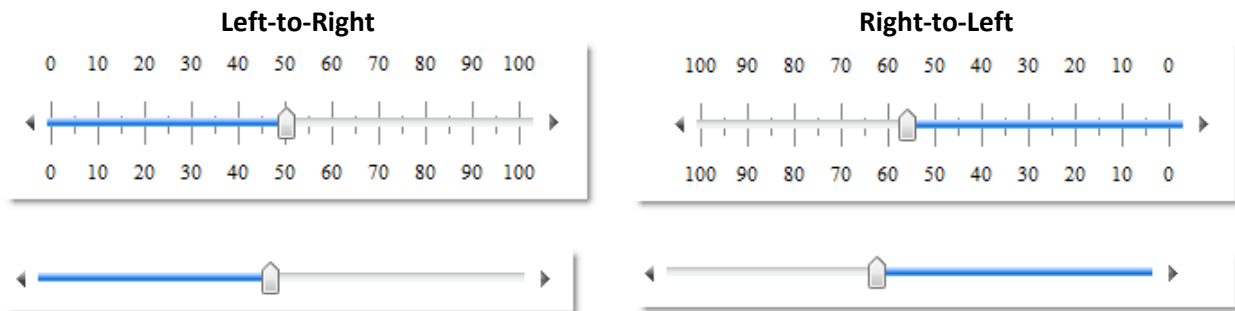
Orientation

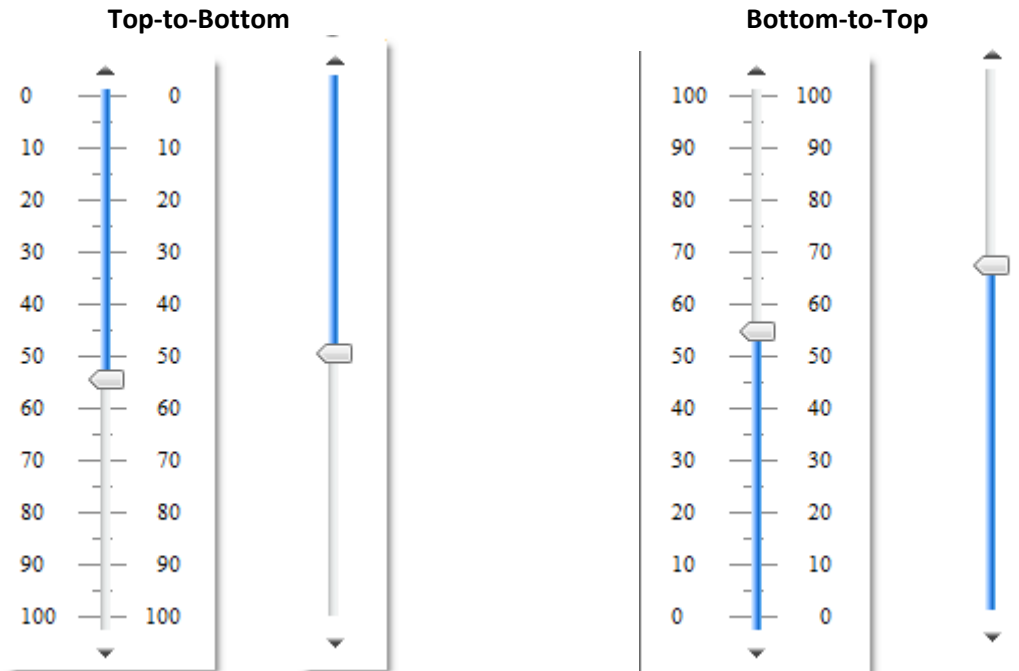
WebSlider offers two orientations, horizontal and vertical.



Direction

WebSlider also offers 4 direction options that work conjunctionally with the orientation setting, for example: if the WebSlider orientation is vertical, the selectable directions are *TopToBottom* or *BottomToTop*, and vice versa if the WebSlider orientation is horizontal.





Fundamental Settings

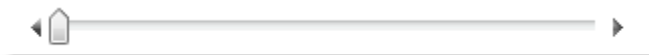
Additionally, several properties are required by WebSlider. **MinimumValue** and **MaximumValue** are two properties which determine the minimum and maximum value of the slider. **Value** property holds the current WebSlider's value. **StepValue** property represents the number of discrete value within the WebSlider's range.

Types of WebSlider

There are three types of WebSlider that you can choose.

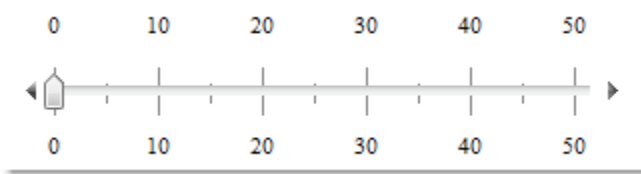
1. None.

This is WebSlider's default type.



2. Tick.

This type of WebSlider is very similar to a thermometer. It has two discrete values controlled by **StepValue** and **LargerStepValue** properties. **StepValue** determines the small label, while **LargerStepValue** determines the larger label with text.



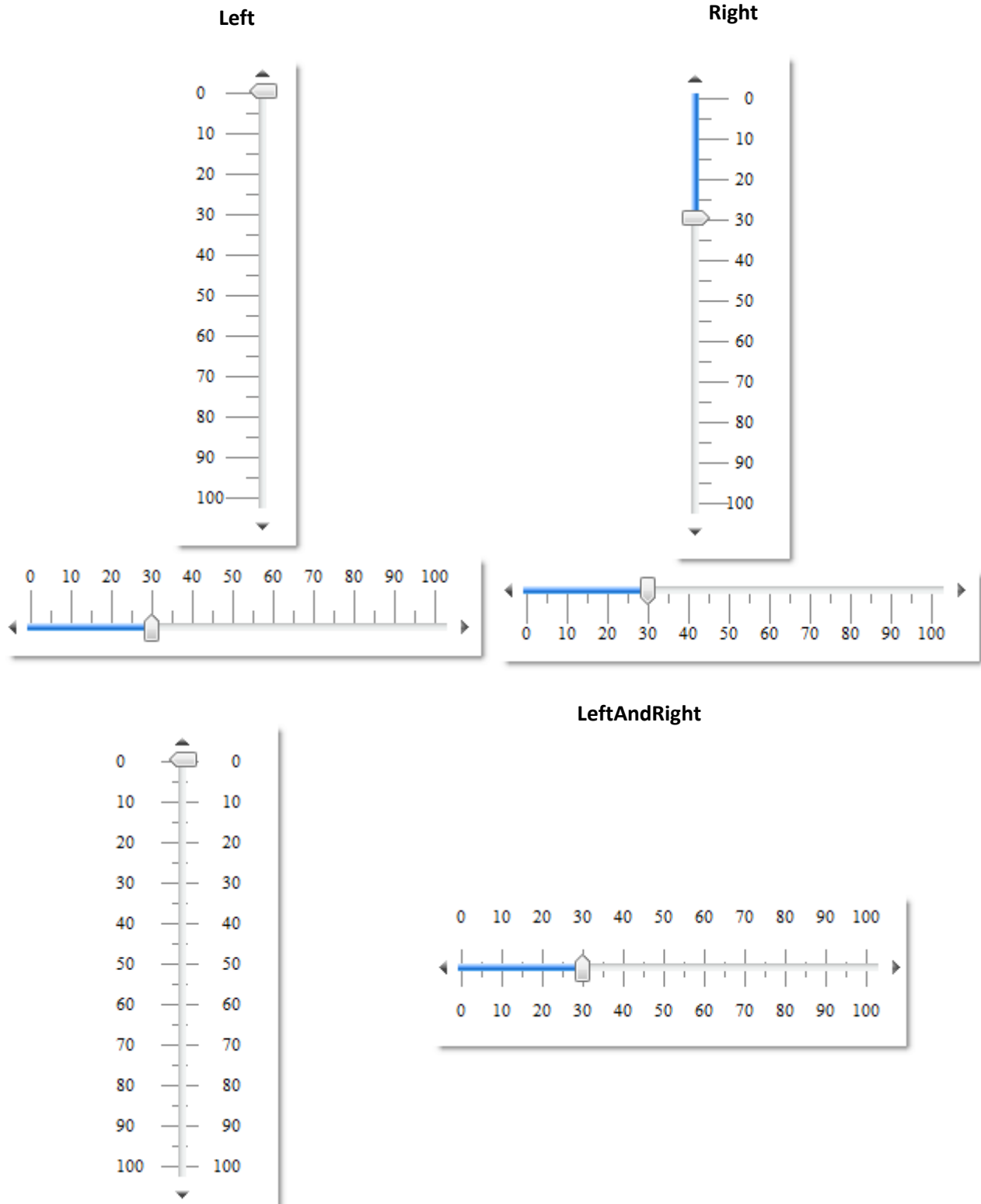
3. Item.

This type enables more advanced customization on WebSlider. Once activated, the WebSlider's items are defined by item collection property. Please refer to Custom WebSlider item section for complete information.



Item Alignment

SliderLabelAlignment property controls the item's positioning. This property is only applicable when the WebSlider type is tick or item. There are three options available:



Custom Item

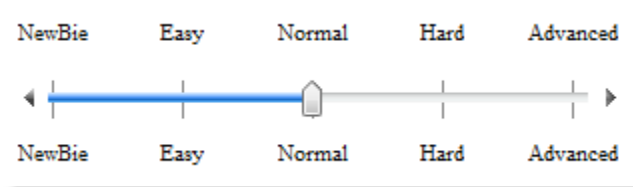
To create a custom item in WebSlider, you need to specify all items in **Item** collection property and remember to set the **SliderType** to *item*.

Properties that need to be specified:

- **MinimumValue** and **MaximumValue**
- The Item's value
- WebSlider's value

A simple sample of the implementation is to create a level selector in slider style. Here is what you need to set:

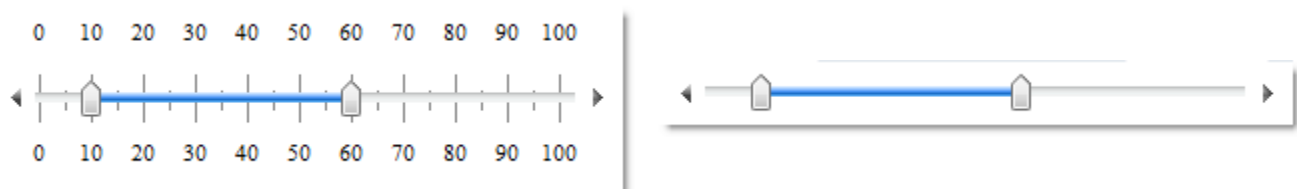
- Newbie level
Value = 1
- Easy
Value = 2
- Normal
Value = 3
- Hard
Value = 4
- Advanced
Value = 5



The **MinimumValue** is 1 and the **MaximumValue** is 5. WebSlider's **Value** is set to 3, making the "Normal" level as the default selection.

Range Slider

Range Slider is a unique feature for selecting a range of value, instead of a single value. Set **EnableRange** to *true* and you will see two handles in WebSlider.



The value for both handles is determined by **StartValue** and **EndValue** properties.

Customize Range Slider Behavior

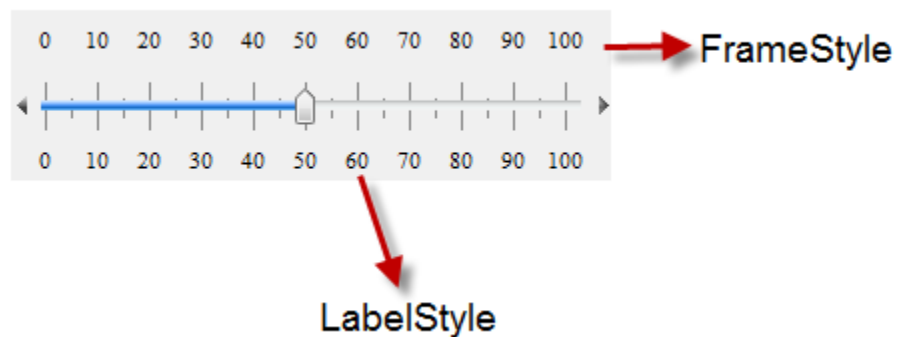
Two unique interaction modes are provided.

1. Locked
This mode basically prevents a slider to exceed the other one. For example: Handle1 is 10 and Handle2 is 80. Users won't be able to slide Handle1 exceeding Handle2 and vice versa.
2. Push
Push behavior is similar to Locked mode, except it pushes the other handle as users move the handle exceeding the other one. Taking the above sample, if users click and slide Handle1 to exceed Handle2, Handle2 will be pushed.

XHTML Compliance

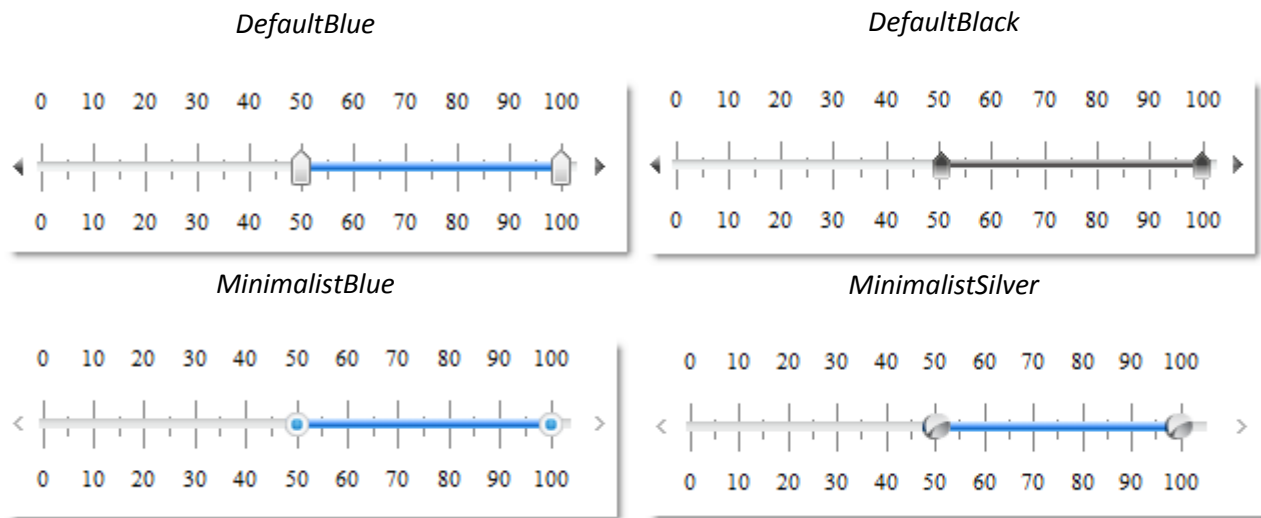
WebSlider is designed to fully comply with W3C's XHTML standard – providing identical rendering when running in different modern XHTML-ready browsers.

Appearance and Styles



Default Styles

WebSlider offers 4 predefined styles:



Comprehensive Client-side Events

The following is the list of client side events in WebSlider.

OnInitialize(*controlId*)

This client-side event will be invoked when WebSlider is initialized.

OnBeforeValueChanged(*controlId*)

This client-side event will be invoked before the value is changed.

OnValueChanged(*controlId*, *oldValue*, *newValue*)

This client-side event will be invoked after the value is changed.

OnBeforeSliding(*controlId*)

This client-side event will be invoked before sliding action is performed.

OnSliding(*controlId*)

This client-side event will be invoked when sliding action is being performed.

OnAfterSliding(*controlId*)

This client-side event will be invoked after the sliding action is performed.

Rich Client-side APIs

The following is the list of client side APIs in WebSlider.

| Functions | Description |
|--|--|
| GetElement() | Gets WebSlider's frame element. |
| GetSliderTable() | Gets WebSlider's table element. |
| GetContainer () | Gets WebSlider's container element. |
| GetLeftPointer () | Gets WebSlider's left pointer. |
| GetRightPointer () | Gets WebSlider's right pointer. |
| GetSliderLableElement() | Gets WebSlider's label element. |
| GetDragPanelContainer() | Gets WebSlider's drag panel container. |
| GetDragElement() | Gets the element of WebSlider's first handle. |
| GetSecondDragElement() | Gets the element of WebSlider's second handle. |
| SetValue (<i>value, isSecondThumb</i>) | Sets WebSlider's value. |
| GetValue(<i>isSecondThumb</i>) | Gets WebSlider's value. |
| GetItemText(<i>value[optional]</i>) | Gets custom item's text by value. |
| GetItemValue(<i>text[optional]</i>) | Gets custom item's value by text. |