
Subject: Re: Widget Event Handling Problem
Posted by [davidf](#) on Mon, 12 Apr 1999 07:00:00 GMT
[View Forum Message](#) <> [Reply to Message](#)

I wrote earlier today in response to this question from Jason Brookes:

>> While I'm at it, is there an elegant way of updating the maximum value
>> for a floating-point slider ?
>
> No, no elegant way without hacking the code.

I was thinking about using this as a good example for why you might want to write compound widgets as objects and I was thinking about coding it up as an example for the newsgroup. But in examining the code, I realized that the author of CW_FSLIDER had already anticipated someone wanting to change the MIN and MAX values. Unfortunately, his method has never made it into the documentation. (Oh, don't even start!)

But as it happens, if you want to change the MIN or MAX values you can do it like this:

```
Widget_Control, floatingSlider, Set_Value=[newValue, newMin, newMax]
```

You can also get the current MIN and MAX of the floating slider by calling the FSLIDER_GET_VALUE function directly (i.e., don't use the normal WIDGET_CONTROL, floatingSlider, GET_VALUE=thisVal syntax), like this:

```
min_max = FSLIDER_GET_VALUE(floatingSlider, /MinMax)
```

This is VERY non-standard compound widget coding, but typical of many RSI-supplied routines. Of course, you can get away with it if you understand what you are doing and I have to admit that as hard as it is to understand their code most of the time, the RSI programmers DO know what they are doing. :-)

Anyway, all of this information is in the header of the CW_FSLIDER program and you can read it for yourself. Perhaps it will make it into the IDL documentation in IDL 5.3.

Cheers,

David

P.S. I also got a nice "hack" from my friend Andrew Cool in Australia. His "Discrete_Slider" code is a floating

slider than can change it's value in discrete units. I have his permission to put it on my web page if anyone is interested.

--

David Fanning, Ph.D.

Fanning Software Consulting

Phone: 970-221-0438 E-Mail: davidf@dfanning.com

Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

Toll-Free IDL Book Orders: 1-888-461-0155
