
Subject: WIDGET_SLIDER bug !?!

Posted by [Hans-Martin v.Stockha](#) on Fri, 07 Feb 1997 08:00:00 GMT

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Hi everybody,

i am using IDL 4.01 on an UltraSparc running Solaris 2.5.
Recently i created a WIDGET_SLIDER with a preset MIN of 0
and an undefined MAX (which defaults to 100). As i tried to
change the MAX-value with WIDGET_CONTROL,,/SET_SLIDER_MAX,
values LE 3 caused a segmentation fault.

The same error occurred with completely uninitialized
MIN/MAX values.

Only after i set the initial MAX value to 1, the segmentation
fault disappeared.

```
b = widget_base()
s = widget_slider(b, min=0, xsize=200, /suppress_value)
widget_control, b, /realize
print,5 & widget_control,s,set_slider_max=5
print,4 & widget_control,s,set_slider_max=4
print,3 & widget_control,s,set_slider_max=3
print,2 & widget_control,s,set_slider_max=2
print,1 & widget_control,s,set_slider_max=1
```

and the IDL output:

```
IDL> b = widget_base()
IDL> s = widget_slider(b, min=0, xsize=200, /suppress_value)
IDL> widget_control, b, /realize
IDL> print,5 & widget_control,s,set_slider_max=5
      5
IDL> print,4 & widget_control,s,set_slider_max=4
      4
IDL> print,3 & widget_control,s,set_slider_max=3
      3
% Program caused arithmetic error: Floating illegal operand
% Detected at $MAIN$
Segmentation Fault
```

If you use the following:

```
b = widget_base()
s = widget_slider(b, min=0, max=1, xsize=200, /suppress_value)
widget_control, b, /realize
print,5 & widget_control,s,set_slider_max=5
print,4 & widget_control,s,set_slider_max=4
print,3 & widget_control,s,set_slider_max=3
```

```
print,2 & widget_control,s,set_slider_max=2  
print,1 & widget_control,s,set_slider_max=1
```

you will get the expected result:

```
IDL> b = widget_base()  
IDL> s = widget_slider(b, min=0, max=1, xsize=200, /suppress_value)  
IDL> widget_control, b, /realize  
IDL> print,5 & widget_control,s,set_slider_max=5  
5  
IDL> print,4 & widget_control,s,set_slider_max=4  
4  
IDL> print,3 & widget_control,s,set_slider_max=3  
3  
IDL> print,2 & widget_control,s,set_slider_max=2  
2  
IDL> print,1 & widget_control,s,set_slider_max=1  
1  
IDL>
```

Did anybody else come across this error and/or knows a reason
for this behavior?

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