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Subject: event\_pro for compound widgets

Posted by [Benjamin Hornberger](#) on Tue, 07 Sep 2004 17:32:41 GMT

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Hi all,

I am quite confused now and can't figure out how to write a compound widget which has an event\_pro keyword and behaves like a regular basic widget. Sorry for the lengthy message...

My compound widget is supposed to control a stepping motor and will consist of a non-editable field with the current position, editable text fields for "move to position" and "move by distance", a slider to set a step size and two buttons to move forward and backward in steps whose step size is set by the slider. As text fields, I am using David Fanning's fsc\_field.

This compound widget I want to include in other widgets by something like

```
motor1_id = cw_move_motor(parent, ..., event_pro = 'motor1_event')
```

When I change the step size of the slider, this should only affect the CW itself (updating its internal "stepsize" value and a displayed number"). I could manage to do that already.

All other events (hitting enter in the moveto or moveby field, or clicking the forward / backward buttons) should send an event structure to motor1\_event.pro (something like { CW\_MOVE\_MOTOR, id: id, top: top, handler: handler, type: 0L, moveby: 0D, moveto: 0D, stepsize: 0D } where type holds a code for whether it was a moveto or moveby request, etc.).

Then, of course I would want to write

```
PRO motor1_event, event
```

```
...
```

```
IF event.type EQ 0 ...
```

Now, what do I do? In the CW definition function, I define event\_func='cw\_move\_motor\_event' for my fsc\_fields, buttons etc., This cw\_move\_motor\_event.pro will create and return the desired event structure. But where is that returned to?

And of course I have to define a keyword event\_pro in my CW definition function which will hold a string with the event handler procedure's name. How do I make sure that in case of an event, my event structure is created and passed to that procedure?

Thanks for your help,

Benjamin

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