
Subject: Re: xmanager does not block

Posted by [Karri Kaksonen](#) on Mon, 28 Feb 2000 08:00:00 GMT

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Marc,

I assume that you try to do the same thing I had problems with.
To have IDL do calculations while you want to access menus
and process keypresses etc.

I found a solution that works for me:

Create a procedure that sends events like

```
pro rawgui::send_event,widgetID
  event = { $
    id:widgetID, $
    top:self.tlb, $
    handler:widgetID, $
    select: 1| $
  }
  widget_control,widgetID,send_event=event
end
```

Create a procedure that starts the processing like

```
pro rawgui::reconstart
  self->send_event,self.reconrestID
end
```

Create a procedure that does one piece of processing

```
pro rawgui::reconstep
  self.proviewfileio->prodat
  if more_to_do ne 0 then self->send_event,self.reconrestID
end
```

Create an event handler like

```
pro rawgui_events, event
  widget_control, event.top, get_uvalue=self, /no_copy
  widget_control, event.id, get_uvalue=request
  case request of
    'readall': begin
      self->reconstart
    end
    'reconrest': begin
      self->reconstep
    end
  end
end
```

Now you can put xmanager where it belongs

```
pro rawgui::makewindow
    self.viewID = obj_new('idlgrview', color=[80,80,80],
viewplane_rect=self.viewport)
    tlb = widget_base(title='Marconi Medical MRI Data Display',
column=2, tlb_size_events = 1, mbar=menuID)
    ... a lot of buttons etc ...
    self.reconrestID = widget_label(tlb, value="",
uvalue='reconrest', event_pro='rawgui_events')
    xmanager, 'rawgui', tlb, /no_block, group_leader=groupLeader,
event_handler='rawgui_events'
end
```

I also believe that xmanager should always return.
to block or not to block refers to whether you can
use the command line while your program executes.

--

Hope this helps...,

Karri

marc wrote:

>

> marc wrote:

>>

>> I have a program, wich calls:

>> xmanager,name,tlb

>> (without /NO_BLOCK) but xmanager immediately returns.

>> Is there a common mistake I might have made?

>>

>> thanks,

>> :-) marc

> Might it be because I call xmanager from within a widget procedure?
