

---

Subject: Re: Progress Bar - Cancel button problem  
Posted by [David Fanning](#) on Fri, 16 Aug 2013 12:09:58 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

MAhmad writes:

> I created my own progress bar in idl. The progress bar works perfectly and show progress! my problem is with the cancel button. During the progress of whatever process, the cancel button can not be pressed. I mean when I want to push/click the cancel button while the process is working, the button can not be clicked/pushed (it looks like freezing). The cancel button can be pressed only when the progress is finished (when became 100%).

>

> I tried all the options of the widget\_base, widget\_button, etc. with no hope!

>

> Can anyone help please?

The trick is to check for the button event yourself in your loop, using Widget\_Event with the NoWait keyword set:

```
event = Widget_Event(self.cancelID, /NoWait)
```

You can see how this is done in the CheckCancel method of this progress bar:

[http://www.idlcoyote.com/programs/cgprogressbar\\_\\_define.pro](http://www.idlcoyote.com/programs/cgprogressbar__define.pro)

The code to use the bar, and check for the button events, looks like this:

```
cgProgressBar = Obj_New("CGPROGRESSBAR", /Cancel)
cgProgressBar -> Start
FOR j=0,9 DO BEGIN
  IF cgProgressBar -> CheckCancel() THEN BEGIN
    ok = Dialog_Message('The user cancelled operation.')
    RETURN
  ENDIF
  Wait, 0.5 ; Would probably be doing something ELSE here!
  cgProgressBar -> Update, (j+1)*10
ENDFOR
cgProgressBar -> Destroy
```

Cheers,

David

--

David Fanning, Ph.D.  
Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>  
Sepore ma de ni thue. ("Perhaps thou speakest truth.")

---