

Re: function won't work inside MFC dialog class

Source: <http://www.tech-archive.net/Archive/VC/microsoft.public.vc.mfc/2006-06/msg01510.html>

- *From:* "Z.K." <nospam@xxxxxxxxxxx>
 - *Date:* Mon, 19 Jun 2006 18:03:34 -0700
-

Sgt. York wrote:

Z.K. wrote:

I had to put my gotSensor outside of my class to make it work. If I put it in my dialog header file I get the following error:

error C2276: '&' : illegal operation on bound member function expression

How do I make this work inside the class or how do I access a control on the dialog form from outside the class. It works fine in a Win32 console application, but I need to convert it to a MFC program.

Z.K.

```
////////////////////////////////////
```

```
//outside of class
int __stdcall gotSensor(CPhidgetInterfaceKitHandle phid, void *meh, int ind,
int val);

void CTestWin32PhidgetDlg::OnBtnSensor()
{
// TODO: Add your control notification handler code here

int something;

CPhidgetInterfaceKitHandle ifkit;

CPhidgetInterfaceKit_open(&ifkit,0,-1);
CPhidgetInterfaceKit_set_OnSensorChange_Handler(ifkit,&gotSensor,
&something);

while(1)
{
CPhidgetInterfaceKit_read(ifkit);
```

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```
}  
  
}  
  
//outside of class  
int __stdcall gotSensor(CPhidgetInterfaceKitHandle phid, void *meh, int ind,  
int val)  
{  
    CString temp;  
    temp = "hello";  
  
    //AfxMessageBox("hello");  
    return 0;  
}
```

Declaring your member function `gotSensor()` as static, if possible, will correct this problem (and then of course scope it properly when you pass the address). The way you're calling it here, the function signature, if it's a non-static member function, is not what you think it is — the first parameter is a "this" pointer to its enclosing class.

Okay, I got that to work with the code below, but how do I access my member variable `m_Sensor.SetWindowText("hello")`. Everytime I do I get an error specifying that is illegal to call a non-static function from a static function.

Z.K.

```
static int __stdcall gotSensor(CPhidgetInterfaceKitHandle phid, void *meh, int ind, int val);  
  
int __stdcall CTestWin32PhidgetDlg::gotSensor(CPhidgetInterfaceKitHandle phid, void *meh, int ind, int  
val)  
{  
  
    CString temp;  
    temp = "hello";  
  
    //AfxMessageBox("hello");  
  
    //m_Sensor.SetWindowText("hello");  
  
    return 0;  
}  
.
```

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