

USB Multiple Device Problem

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<http://www.tech-archive.net/Archive/WindowsCE/microsoft.public.windowsce.platbuilder/2006-09/msg00540.html>

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 - *Date:* Tue, 19 Sep 2006 14:04:26 -0400
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On my setup I am using a usb hub which I connect a keyboard, webcam and a printer. The keyboard and printer are using the built-in CE drivers but the webcam is using webcam.dll open source code done by Doug Boling. One thing to know is that my printer has as also a mass storage device in it.

The problem I have is that when I am connecting the printer in last it won't work properly. The call to USBDeviceAttach in LoadRegisteredDriver() (in usbd.c) failed for the mass storage device and then pop the dialog box to enter the dll name for the driver.

Now, if I disconnect the camera and connect the printer with only the keyboard. The printer do the same registering process but this time it doesn't failed on LoadRegisteredDriver(). Moreover, If I connect the camera after, absolutely no usb device is recognized and the HCD driver isn't called for an attach.

Is there a maximum number of devices I could connect to a hub?

Anyone has any ideas that could do this behavior?

I am developping for a pxa270 with plateform builder 5.0. I have all the QFEs up to august 2006.

The webcam used is a logitech quickcam PRO5000 , the same used to develop the driver.

Thanks,
Keaven

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