

Re: How to make link between USB physical port and drive letter mount by windows

## Re: How to make link between USB physical port and drive letter mount by windows

---

*Source:*

<http://www.tech-archive.net/Archive/Development/microsoft.public.development.device.drivers/2008-06/msg00237.1>

---

- *From:* "Ben Voigt [C++ MVP]" <[rbv@xxxxxxxxxxxxxx](mailto:rbv@xxxxxxxxxxxxxx)>
  - *Date:* Tue, 10 Jun 2008 08:52:11 -0500
- 

max\_mont wrote:

Thank you very much for your help. But I'm a newbie in driver development (I usually develop in higher level).  
I don't see how I can get parent device and get "driver key name).

Have you got a piece of code ?

Use `CM_Get_Parent` to get the parent device.

Many thanks in advance again.

On 10 juin, 09:12, Uwe Sieber <[m...@xxxxxxxxxxxxxx](mailto:m...@xxxxxxxxxxxxxx)> wrote:

max\_mont wrote:

I would like to enumerate all USB storage plugged on a PC,  
identify  
all by physical port and by drive letter.  
I can enumerate all USB device with DDK sample (usbview)  
but I can't  
manage to find drive letter for each storage.

You need an enumeration of all VOLUMES. Get their device numbers. The enumerate all DISKs, CDROMs and FLOPPYs. Match them with the volumes by their device numbers. I've shown this here:<http://www.codeproject.com/system/RemoveDriveByLetter.asp>

For each drive with `BusType==BusTypeUsb` get the parent device of the DISK/CDROM/FLOPPY which is the USB device

Re: How to make link between USB physical port and drive letter mount by windows

itself. Get their "driver key name" (SPDRP\_DRIVER / CM\_DRP\_DRIVER).

Match it with the driver key name of the USB devices found  
thru the USB API  
(IOCTL\_USB\_GET\_NODE\_CONNECTION\_DRIVERKEY\_NAME).

Good luck :-)

Uwe