

Re: WinCE USB

Source:

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- *From:* Bator <bks@xxxxxx>
 - *Date:* 26 Apr 2007 01:17:09 -0700
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On Apr 24, 6:04 pm, "Paul G. Tobey [eMVP]" <p space tobey no spam AT no instrument no spam DOT com> wrote:

Generally, you don't talk to USB devices directly *at all*. They have a driver. It must present some sort of interface. Use *that* interface, not any USB calls at all. If it's a storage card driver, it should produce a new folder in the filesystem and you'd use the CreateFile, ReadFile, WriteFile APIs. If it's a network USB device, it should provide an IP to the device and you'd use WinSock or FTP or HTTP APIs to work with it. If it's a serial device, it should create a new COM port and you'd use the CreateFile, SetCommTimeouts, etc. APIs to communicate with it.

Paul T.

"Stefan Burkhardt" <b...@xxxxxx> wrote in message

<news:1177403167.372289.258210@xx>

Hello,

I'm a student from Germany so my english isn't very well. sorry.

I have a WinCE 5.0 Platform. (created with Platformbuilder 5.0) and should make an application with Visual Studio 2005 which should send commands to an USB-Device, connected to the WinCE Platform. The WinCE driver for the device already had been written by an other company.

I'm new with USB and WinCE but I found the following functions

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```
SetupDiGetClassDevs()  
SetupDiEnumDeviceInterfaces()  
SetupDiGetDeviceInterfacedetail()
```

I think with this functions I can get a String -> "FDO" (Functional Device Object).
And this string I need for the the function CreateFile() to get a Handle to the USB-device.

Is that righth? Or is it the wrong way?

If it is the righth way I have a problem with the needed libraries:
The platformbuilder created a setupapi.lib
(after I build in the IEEE 1394 Modul) but there is no (matching) setupapi.h?

(On "C:\WINCE500\PUBLIC\COMMON\OAK\DRIVERS\1394\INC" I can find a setupapi.h but it seems to be the wrong? (Linker error))

I would be deeply grateful if somebody could help me thanks.

Stefan- Hide quoted text -

- Show quoted text -

Hi Paul,

thanks for your answer. I think I have serial device. Because I still cannot use the funktions

```
SetupDiGetClassDevs()  
SetupDiEnumDeviceInterfaces()  
SetupDiGetDeviceInterfacedetail()
```

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so I looked in the registry of the WinCe device under HKLM/Drivers/
Active and found my device:

(Default) (value not set)
Hnd 305264
Name DAB1:
Key Drivers\USB\ClientDriver\DAB_CLASS
ClientInfo 304048

I use:

```
-----  
LPTSTR portName = TEXT("DAB1:");  
HANDLE USB;  
USB = CreateFile(portName,  
GENERIC_READ | GENERIC_WRITE,  
FILE_SHARE_READ | FILE_SHARE_WRITE,  
NULL, // no security  
OPEN_EXISTING, // pipe created by ccClient NamedPipe .  
FILE_FLAG_OVERLAPPED, // default attributes.  
NULL);  
  
// if fail opening the port, return FALSE  
if ( USB == INVALID_HANDLE_VALUE )  
{  
AfxMessageBox(L"Unable to open USB port",  
MB_ICONSTOP);  
DWORD error = GetLastError();  
  
CString s;  
s.Format(L"Error: %d", error);  
AfxMessageBox(s);  
  
}  
else  
.....
```

to get an HANDLE to the driver.
Thats righth?

But how can I go on now?
(I have no documentation of the driver. Only a documentation of the
WinXP driver for the device)

Thank a lot

Stefan

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