

Re: Can't install driver on XPe SP1

Source:

<http://www.tech-archive.net/Archive/WinXP/microsoft.public.windowsxp.embedded/2006-03/msg00386.html>

- *From:* Georges Berenger <dontSpam_Geb@xxxxxxxxxxxxxxxx>
 - *Date:* Wed, 22 Mar 2006 16:49:40 -0800
-

Thanks Sean.

I tried your sld file, but it doesn't work either. It is pretty much the same as what I had created myself referencing the ks.inf & wdmaudio.inf files.

I ran TAP from WinPE. I guess I could indeed compare the components with that of what XP Pro returns.

I'll try that next.

thanks,

–georges

Sean Liming (eMVP) wrote:

For what it is worth, attached is an SLD with a component. The newer INF required KS.INF and wdmaudio.inf to import correctly. There are allot more resources in the new INF file.

When you ran TAP on the hardware, did you have Windows XP Pro SP2 installed? Did you try installing the audio before running TAP? Running TAP with all the drivers installed on XP Pro, captures all the multimedia information needed for audio drivers.

Regards,

Sean Liming

www.sjjmicro.com / www.seanliming.com

XP Embedded Book Author – XP Embedded Advanced, XP Embedded Supplemental Toolkit.

"Georges Berenger" <dontSpam_Geb@xxxxxxxxxxxxxxxx> wrote in message news:uKWOROVTGHA.4452@xxxxxxxxxxxxxxxx

I have an XPe image that worked fine with with the Edirol UM-1 MIDI interface: I was able to easily build a component with its drivers. We now have to support a new version of the same HW (RoHS compliance fun anyone?), but I can't get to build a new component that works with the new driver, required for the new HW.

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In facts, I can't even manually install the driver from XPe, though I was able to install drivers for most devices I tried to support with a manual driver install. So I am suspecting that the problem is not so much the component creation, but the image itself, that may be missing some critical component for that new driver. Or maybe the install chokes on the new driver for some other reason?

Here is what I find in setupapi.log when I try to install the driver manually:

```
[SetupAPI Log]
OS Version = 5.1.2600 Service Pack 1
Platform ID = 2 (NT)
Service Pack = 1.0
Suite = 0x0040
Product Type = 1
Architecture = x86
[2006/03/21 17:07:36 1476.309]
#-198 Command line processed: "C:\Documents and Settings\Default
User\Desktop\UM-1_WinXP2k_v2000\Setup.exe"
#E367 An unsigned or incorrectly signed file "C:\Program
Files\RdDrv001\RDID0009\Rdif1009.inf" for will be installed
(Policy=Warn,
user said ok). Error 0xe000022f: The third-party INF does not contain
digital signature information.
[2006/03/21 17:08:59 640.3 Driver Install]
#-019 Searching for hardware ID(s):
usb\vid_0582&pid_0009&rev_0100,usb\vid_0582&pid_0009
#-018 Searching for compatible ID(s):
usb\class_ff&subclass_ff&prot_00,usb\class_ff&subclass_ff,usb\class_ff
#-198 Command line processed: C:\WINDOWS\system32\services.exe
#I022 Found "USB\VID_0582&PID_0009" in C:\WINDOWS\inf\oem0.inf;
Device:
"EDIROL UM-1"; Driver: "EDIROL UM-1"; Provider: "Roland"; Mfg:
"Roland";
Section name: "RDID0009Install".
#I023 Actual install section: [RDID0009Install]. Rank: 0x00000001.
Effective driver date: 06/01/2005.
#-166 Device install function: DIF_SELECTBESTCOMPATDRV.
#I063 Selected driver installs from section [RDID0009Install] in
"c:\windows\inf\oem0.inf".
#I320 Class GUID of device remains:
{4D36E96C-E325-11CE-BFC1-08002BE10318}.
#I060 Set selected driver.
#I058 Selected best compatible driver.
#-166 Device install function: DIF_INSTALLDEVICEFILES.
#I124 Doing copy-only install of
"USB\VID_0582&PID_0009\5&3774E5BA&0&2".
#-011 Installing section [RDID0009Install] from "c:\windows\inf\oem0.inf".
#-167 SPFILENOTIFY_NEEDMEDIA: Tag = "", Description= "EDIROL
```

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UM-1 Driver

Installation disk", SourcePath = "c:\windows", SourceFile = "Rd3t1009.DAT", Flags = 0x00000000.

#E169 SPFILENOTIFY_NEEDMEDIA: returned FILEOP_ABORT. Error 1223: The

operation was canceled by the user.

#W187 Install failed, attempting to restore original files.

#E122 Device install failed. Error 1223: The operation was canceled by the user.

#E157 Default installer failed. Error 1223: The operation was canceled by the user.

Of course, I did not "cancel" the install. In fact, all the process was silent.

To give more info to work on, here are the two inf files, the "old" one, that works fine with the old USB MIDI interface, and the new inf file, that doesn't work. I put the inf files in this email, in the hope that someone can guess what component may be required by the new inf file, that wasn't required before...

thanks for any suggestion!
-georges

Old inf file:

```
; Installation inf for UM-1  
;  
; Copyright (c) 2003 Roland Corporation  
;
```

```
[Version]  
Signature="$Windows NT$"  
Class=MEDIA  
ClassGUID={4d36e96c-e325-11ce-bfc1-08002be10318}  
Provider=%ROLAND%  
DriverVer=05/09/2003,1.06.00.0000  
;CatalogFile=RDCT0009.CAT
```

```
[SourceDisksNames]  
1="EDIROL UM-1 USB Driver Installation Disk",,,
```

```
[SourceDisksFiles]  
rd1t1009.dat = 1  
rdwm1009.sys = 1  
rddv1009.dll = 1  
rdif1009.inf = 1  
rddp1009.dat = 1  
rdcp1009.cpl = 1
```

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[Manufacturer]

%MfgName%=Roland

[Roland]

%RDID0009DeviceDesc%=RDID0009Dev, USB\VID_0582&PID_0009 ;
UM-1

[DestinationDirs]

DefaultDestDir=10

RDID0009FilesUser = 11

RDID0009FilesExt = 10,System32\Drivers

[RDID0009Dev.NT]

CopyFiles=RDID0009FilesExt,RDID0009FilesUser

AddReg=RDID0009AddReg

reboot

[RDID0009Dev.NT.Services]

Addservice = RD1009, 0x00000002, RDID0009AddService

DelService = RDWM1009

[RDID0009AddService]

DisplayName = %RDID0009SvcDesc%

ServiceType = 1 ; SERVICE_KERNEL_DRIVER

StartType = 3 ; SERVICE_DEMAND_START

ErrorControl = 1 ; SERVICE_ERROR_NORMAL

ServiceBinary = %10%\System32\Drivers\rdwm1009.sys

[RDID0009AddReg]

HKR,,DevLoader,,*ntkern

HKR,,NTMPDriver,,rdwm1009.sys

HKR,Drivers,SubClasses,, "midi"

HKR,Drivers,MIGRATED,0,0

HKR,Drivers\midi,,0,

HKR,Drivers\midi\rddv1009.dll, Driver,,rddv1009.dll

HKR,Drivers\midi\rddv1009.dll, Description,,%RDID0009SvcDesc%

[RDID0009FilesExt]

rdwm1009.sys

[RDID0009FilesUser]

rd1t1009.dat

rddv1009.dll

rddP1009.dat

rdcp1009.cpl

-----;

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```
[Strings]
ROLAND="Roland"
MfgName="Roland"
RDID0009DeviceDesc="EDIROL UM-1 USB Driver"
RDID0009SvcDesc="EDIROL UM-1 USB Driver"
```

```
New inf file:
; Installation inf for the UM-1
;
; Copyright (c) 2005 Roland Corporation
;
```

```
[Version]
Signature="$Windows NT$"
Class=MEDIA
ClassGUID={4d36e96c-e325-11ce-bfc1-08002be10318}
Provider=%MfgName%
CatalogFile=RDID1009.CAT
DriverVer=06/01/2005,2.00.00.0000
```

-----;

```
[DestinationDirs]
RDID0009.Files.User = 11
RDID0009.Files.Inst = 11
RDID0009.Files.Ext = 10,system32\drivers ;
%SystemRoot%\system32\drivers
DefaultDestDir = 10,system32\drivers ; %SystemRoot%\system32\drivers
```

```
[SourceDisksNames]
1=%RDID0009DiskName%,,
```

```
[SourceDiskSFiles]
RD3T1009.DAT=1
RdWM1009.sys=1
RDDP1009.DAT=1
RD3P1009.CPL=1
RDCI1009.dll=1
```

-----;

```
[Manufacturer]
%MfgName%=Roland
```

```
:[ControlFlags]
;ExcludeFromSelect=*
```

```
[Roland]
```

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%RDID0009DeviceDesc%=RDID0009Install, USB\VID_0582&PID_0009 ;
UM-1

;;=====;

[RDID0009Install]

Include=ks.inf,wdmaudio.inf

Needs=KS.Registration,WDMAUDIO.Registration

;;AlsoInstall=ks.registration(ks.inf),wdmaudio.registration(wdmaudio.inf)

CopyFiles=RDID0009.Files.User,RDID0009.Files.Ext

AddReg=RDID0009AddReg

[RDID0009Install.CoInstallers]

AddReg=RDID0009CoInstallers.AddReg

CopyFiles=RDID0009.Files.Inst

[RDID0009CoInstallers.AddReg]

HKR,,CoInstallers32,%REG_MSZ%,"RdCi1009.dll,ProcCoInst"

[RDID0009AddReg]

HKR,,DevLoader,,"*ntkern"

HKR,,AssociatedFilters,,"wdmaud"

HKR,,Driver,,rdwm1009.sys

HKR,,NTMPDriver,,"rdwm1009.sys"

HKR,Drivers,SubClasses,,"midi"

HKR,Drivers\midi\wdmaud.drv,Driver,,wdmaud.drv

HKR,Drivers\midi\wdmaud.drv, Description,,%RDID0009DeviceDesc%

[RDID0009Install.Services]

AddService = RDID1009, 0x00000002, RDID0009_Service_Inst

DelService = RD1009

[RDID0009_Service_Inst]

DisplayName = %RDID0009DeviceDesc%

ServiceType = 1 ; SERVICE_KERNEL_DRIVER

StartType = 3 ; SERVICE_DEMAND_START

ErrorControl = 1 ; SERVICE_ERROR_NORMAL

ServiceBinary = %10%\system32\Drivers\rdwm1009.sys

;;

;;

[RDID0009.Files.Ext]

Rdwm1009.sys

[RDID0009.Files.User]

Rd3t1009.DAT

RDCP1009.CPL

RDDP1009.DAT

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[RDID0009.Files.Inst]
RdCi1009.dll

[RDID0009Install.Interfaces]
AddInterface=%KSCATEGORY_AUDIO%, %KSNAME_Mo11%,
WDM.Interface.Mo11
AddInterface=%KSCATEGORY_RENDER%, %KSNAME_Mo11%,
WDM.Interface.Mo11
AddInterface=%KSCATEGORY_CAPTURE%, %KSNAME_Mo11%,
WDM.Interface.Mo11

AddInterface=%KSCATEGORY_AUDIO%, %KSNAME_Mo21%,
WDM.Interface.Mo21
AddInterface=%KSCATEGORY_RENDER%, %KSNAME_Mo21%,
WDM.Interface.Mo21
AddInterface=%KSCATEGORY_CAPTURE%, %KSNAME_Mo21%,
WDM.Interface.Mo21

AddInterface=%KSCATEGORY_AUDIO%, %KSNAME_Mo31%,
WDM.Interface.Mo31
AddInterface=%KSCATEGORY_RENDER%, %KSNAME_Mo31%,
WDM.Interface.Mo31
AddInterface=%KSCATEGORY_CAPTURE%, %KSNAME_Mo31%,
WDM.Interface.Mo31

AddInterface=%KSCATEGORY_AUDIO%, %KSNAME_Mo41%,
WDM.Interface.Mo41
AddInterface=%KSCATEGORY_RENDER%, %KSNAME_Mo41%,
WDM.Interface.Mo41
AddInterface=%KSCATEGORY_CAPTURE%, %KSNAME_Mo41%,
WDM.Interface.Mo41

AddInterface=%KSCATEGORY_AUDIO%, %KSNAME_Mi11%,
WDM.Interface.Mi11
AddInterface=%KSCATEGORY_RENDER%, %KSNAME_Mi11%,
WDM.Interface.Mi11
AddInterface=%KSCATEGORY_CAPTURE%, %KSNAME_Mi11%,
WDM.Interface.Mi11

AddInterface=%KSCATEGORY_AUDIO%, %KSNAME_Mi21%,
WDM.Interface.Mi21
AddInterface=%KSCATEGORY_RENDER%, %KSNAME_Mi21%,
WDM.Interface.Mi21
AddInterface=%KSCATEGORY_CAPTURE%, %KSNAME_Mi21%,
WDM.Interface.Mi21

AddInterface=%KSCATEGORY_AUDIO%, %KSNAME_Mi31%,
WDM.Interface.Mi31
AddInterface=%KSCATEGORY_RENDER%, %KSNAME_Mi31%,
WDM.Interface.Mi31

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```
AddInterface=%KSCATEGORY_CAPTURE%, %KSNAME_Mi31%,  
WDM.Interface.Mi31
```

```
AddInterface=%KSCATEGORY_AUDIO%, %KSNAME_Mi41%,  
WDM.Interface.Mi41
```

```
AddInterface=%KSCATEGORY_RENDER%, %KSNAME_Mi41%,  
WDM.Interface.Mi41
```

```
AddInterface=%KSCATEGORY_CAPTURE%, %KSNAME_Mi41%,  
WDM.Interface.Mi41
```

```
[WDM.Interface.Mo11]  
AddReg=WDM.Interface.Mo11.AddReg  
[WDM.Interface.Mo11.AddReg]  
HKR,,CLSID,,%Proxy.CLSID%  
HKR,,FriendlyName,,%WDM.Mo11.szPname%
```

```
[WDM.Interface.Mo21]  
AddReg=WDM.Interface.Mo21.AddReg  
[WDM.Interface.Mo21.AddReg]  
HKR,,CLSID,,%Proxy.CLSID%  
HKR,,FriendlyName,,%WDM.Mo21.szPname%
```

```
[WDM.Interface.Mo31]  
AddReg=WDM.Interface.Mo31.AddReg  
[WDM.Interface.Mo31.AddReg]  
HKR,,CLSID,,%Proxy.CLSID%  
HKR,,FriendlyName,,%WDM.Mo31.szPname%
```

```
[WDM.Interface.Mo41]  
AddReg=WDM.Interface.Mo41.AddReg  
[WDM.Interface.Mo41.AddReg]  
HKR,,CLSID,,%Proxy.CLSID%  
HKR,,FriendlyName,,%WDM.Mo41.szPname%
```

```
[WDM.Interface.Mi11]  
AddReg=WDM.Interface.Mi11.AddReg  
[WDM.Interface.Mi11.AddReg]  
HKR,,CLSID,,%Proxy.CLSID%  
HKR,,FriendlyName,,%WDM.Mi11.szPname%
```

```
[WDM.Interface.Mi21]  
AddReg=WDM.Interface.Mi21.AddReg  
[WDM.Interface.Mi21.AddReg]  
HKR,,CLSID,,%Proxy.CLSID%  
HKR,,FriendlyName,,%WDM.Mi21.szPname%
```

```
[WDM.Interface.Mi31]  
AddReg=WDM.Interface.Mi31.AddReg  
[WDM.Interface.Mi31.AddReg]  
HKR,,CLSID,,%Proxy.CLSID%
```

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HKR,,FriendlyName,,%WDM.Mi31.szPname%

[WDM.Interface.Mi41]

AddReg=WDM.Interface.Mi41.AddReg

[WDM.Interface.Mi41.AddReg]

HKR,,CLSID,,%Proxy.CLSID%

HKR,,FriendlyName,,%WDM.Mi41.szPname%

;------;

[Strings]

MfgName="Roland"

RDID0009DiskName="EDIROL UM-1 Driver Installation disk"

RDID0009DeviceDesc="EDIROL UM-1"

Proxy.CLSID="{17CCA71B-ECD7-11D0-B908-00A0C9223196}"

KSCATEGORY_AUDIO="{6994AD04-93EF-11D0-A3CC-00A0C9223196}"

KSCATEGORY_RENDER="{65E8773E-8F56-11D0-A3B9-00A0C9223196}"

KSCATEGORY_CAPTURE="{65E8773D-8F56-11D0-A3B9-00A0C9223196}"

KSNAME_Mo11="MidiOut1-1"

WDM.Mo11.szPname="1:EDIROL UM-1 MIDI"

KSNAME_Mo21="MidiOut2-1"

WDM.Mo21.szPname="2:EDIROL UM-1 MIDI"

KSNAME_Mo31="MidiOut3-1"

WDM.Mo31.szPname="3:EDIROL UM-1 MIDI"

KSNAME_Mo41="MidiOut4-1"

WDM.Mo41.szPname="4:EDIROL UM-1 MIDI"

KSNAME_Mi11="MidiIn1-1"

WDM.Mi11.szPname="1:EDIROL UM-1 MIDI"

KSNAME_Mi21="MidiIn2-1"

WDM.Mi21.szPname="2:EDIROL UM-1 MIDI"

KSNAME_Mi31="MidiIn3-1"

WDM.Mi31.szPname="3:EDIROL UM-1 MIDI"

KSNAME_Mi41="MidiIn4-1"

WDM.Mi41.szPname="4:EDIROL UM-1 MIDI"

REG_MSZ = 0x00010000

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