

Re: Herfried K. Wagner – HELP!

Source:

<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.languages.vb/2006-12/msg02828.html>

- *From:* Dennis <Dennis@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Wed, 20 Dec 2006 16:54:00 -0800
-

Thanks for excellent Example. Where did you find the command string components, i.e., a tutorial or documentation on command strings. I am trying to convert MP3 files into wav files but have hit brick walls unless I learn C.

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Dennis in Houston

"Herfried K. Wagner [MVP]" wrote:

"jer" <gerald.king@xxxxxxxxx> schrieb:

I've noticed you've helped a lot of people that were trying to do sound recording through VB.net. I'm searched all over the internet, and I'm still having problems write sound to a wav file.

Please do not address posts to a specific person here. Each thread/question can/should be answered by all readers.

... So my question... Do you have a similar post or sample application for vb2005 that will write a wave file from the sound card?

That's not that complicated using good old MCI:

```
\\
Private Declare Auto Function mciSendString Lib "winmm.dll" ( _
ByVal lpszCommand As String, _
ByVal lpszReturnString As String, _
ByVal cchReturn As Int32, _
ByVal hwndCallback As IntPtr _
) As MCIERROR

Public Enum MCIERROR
MCIERR_BASE = 256
```

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MCIERR_INVALID_DEVICE_ID = MCIERR_BASE + 1
MCIERR_UNRECOGNIZED_KEYWORD = MCIERR_BASE + 3
MCIERR_UNRECOGNIZED_COMMAND = MCIERR_BASE + 5
MCIERR_HARDWARE = MCIERR_BASE + 6
MCIERR_INVALID_DEVICE_NAME = MCIERR_BASE + 7
MCIERR_OUT_OF_MEMORY = MCIERR_BASE + 8
MCIERR_DEVICE_OPEN = MCIERR_BASE + 9
MCIERR_CANNOT_LOAD_DRIVER = MCIERR_BASE + 10
MCIERR_MISSING_COMMAND_STRING = MCIERR_BASE + 11
MCIERR_PARAM_OVERFLOW = MCIERR_BASE + 12
MCIERR_MISSING_STRING_ARGUMENT = MCIERR_BASE + 13
MCIERR_BAD_INTEGER = MCIERR_BASE + 14
MCIERR_PARSER_INTERNAL = MCIERR_BASE + 15
MCIERR_DRIVER_INTERNAL = MCIERR_BASE + 16
MCIERR_MISSING_PARAMETER = MCIERR_BASE + 17
MCIERR_UNSUPPORTED_FUNCTION = MCIERR_BASE + 18
MCIERR_FILE_NOT_FOUND = MCIERR_BASE + 19
MCIERR_DEVICE_NOT_READY = MCIERR_BASE + 20
MCIERR_INTERNAL = MCIERR_BASE + 21
MCIERR_DRIVER = MCIERR_BASE + 22
MCIERR_CANNOT_USE_ALL = MCIERR_BASE + 23
MCIERR_MULTIPLE = MCIERR_BASE + 24
MCIERR_EXTENSION_NOT_FOUND = MCIERR_BASE + 25
MCIERR_OUTOFRANGE = MCIERR_BASE + 26
MCIERR_FLAGS_NOT_COMPATIBLE = MCIERR_BASE + 28
MCIERR_FILE_NOT_SAVED = MCIERR_BASE + 30
MCIERR_DEVICE_TYPE_REQUIRED = MCIERR_BASE + 31
MCIERR_DEVICE_LOCKED = MCIERR_BASE + 32
MCIERR_DUPLICATE_ALIAS = MCIERR_BASE + 33
MCIERR_BAD_CONSTANT = MCIERR_BASE + 34
MCIERR_MUST_USE_SHAREABLE = MCIERR_BASE + 35
MCIERR_MISSING_DEVICE_NAME = MCIERR_BASE + 36
MCIERR_BAD_TIME_FORMAT = MCIERR_BASE + 37
MCIERR_NO_CLOSING_QUOTE = MCIERR_BASE + 38
MCIERR_DUPLICATE_FLAGS = MCIERR_BASE + 39
MCIERR_INVALID_FILE = MCIERR_BASE + 40
MCIERR_NULL_PARAMETER_BLOCK = MCIERR_BASE + 41
MCIERR_UNNAMED_RESOURCE = MCIERR_BASE + 42
MCIERR_NEW_REQUIRES_ALIAS = MCIERR_BASE + 43
MCIERR_NOTIFY_ON_AUTO_OPEN = MCIERR_BASE + 44
MCIERR_NO_ELEMENT_ALLOWED = MCIERR_BASE + 45
MCIERR_NONAPPLICABLE_FUNCTION = MCIERR_BASE + 46
MCIERR_ILLEGAL_FOR_AUTO_OPEN = MCIERR_BASE + 47
MCIERR_FILENAME_REQUIRED = MCIERR_BASE + 48
MCIERR_EXTRA_CHARACTERS = MCIERR_BASE + 49
MCIERR_DEVICE_NOT_INSTALLED = MCIERR_BASE + 50
MCIERR_GET_CD = MCIERR_BASE + 51
MCIERR_SET_CD = MCIERR_BASE + 52
MCIERR_SET_DRIVE = MCIERR_BASE + 53
MCIERR_DEVICE_LENGTH = MCIERR_BASE + 54

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```
MCIERR_DEVICE_ORD_LENGTH = MCIERR_BASE + 55
MCIERR_NO_INTEGER = MCIERR_BASE + 56
```

```
MCIERR_WAVE_OUTPUTSINUSE = MCIERR_BASE + 64
MCIERR_WAVE_SETOUTPUTINUSE = MCIERR_BASE + 65
MCIERR_WAVE_INPUTSINUSE = MCIERR_BASE + 66
MCIERR_WAVE_SETINPUTINUSE = MCIERR_BASE + 67
MCIERR_WAVE_OUTPUTUNSPECIFIED = MCIERR_BASE + 68
MCIERR_WAVE_INPUTUNSPECIFIED = MCIERR_BASE + 69
MCIERR_WAVE_OUTPUTSUNSUITABLE = MCIERR_BASE + 70
MCIERR_WAVE_SETOUTPUTUNSPECIFIED = MCIERR_BASE + 71
MCIERR_WAVE_INPUTSUNSUITABLE = MCIERR_BASE + 72
MCIERR_WAVE_SETINPUTUNSPECIFIED = MCIERR_BASE + 73
```

```
MCIERR_SEQ_DIV_INCOMPATIBLE = MCIERR_BASE + 80
MCIERR_SEQ_PORT_INUSE = MCIERR_BASE + 81
MCIERR_SEQ_PORT_NONEXISTENT = MCIERR_BASE + 82
MCIERR_SEQ_PORT_MAPNODEVICE = MCIERR_BASE + 83
MCIERR_SEQ_PORT_MISCCONNECTION = MCIERR_BASE + 84
MCIERR_SEQ_TIMER = MCIERR_BASE + 85
MCIERR_SEQ_PORTUNSPECIFIED = MCIERR_BASE + 86
MCIERR_SEQ_NOMIDIPRESENT = MCIERR_BASE + 87
```

```
MCIERR_NO_WINDOW = MCIERR_BASE + 90
MCIERR_CREATEWINDOW = MCIERR_BASE + 91
MCIERR_FILE_READ = MCIERR_BASE + 92
MCIERR_FILE_WRITE = MCIERR_BASE + 93
```

```
MCIERR_NO_IDENTITY = MCIERR_BASE + 94
```

```
' all custom device driver errors must be >= than this value
MCIERR_CUSTOM_DRIVER_BASE = MCIERR_BASE + 256
End Enum
```

```
Private Function mciSimpleSendString(ByVal Command As String) As MCIERROR
Return mciSendString(Command, Nothing, 0, IntPtr.Zero)
End Function
```

```
Private Sub StartRecording()
mciSimpleSendString("close all")
mciSimpleSendString("open new type waveaudio alias capture")
```

```
' Set capturing options here.
'mciSimpleSendString("set capture bitspersample 16")
'mciSimpleSendString("set capture samplespersec 44100")
'mciSimpleSendString("set capture channels 2")
mciSimpleSendString("record capture")
End Sub
```

```
Private Sub StopRecording()
mciSimpleSendString("save capture C:\sample.wav")
```

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```
mciSimpleSendString("close capture")
```

```
End Sub
```

```
///
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M S Herfried K. Wagner

M V P <URL:<http://dotnet.mvps.org/>>

V B <URL:<http://dotnet.mvps.org/dotnet/faqs/>>