

Re: newbie question: recognize dtmf.

Source:

<http://www.tech-archive.net/Archive/Development/microsoft.public.win32.programmer.tapi/2006-02/msg00077.html>

- *From:* "Matthias Moetje [MVP]" <moetje@xxxxxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Sat, 4 Feb 2006 16:46:41 +0100
-

Jack,

this is described in the MDK part of the DDK (Device Driver Development Kit).

<snip>

The GenerateDigit entry is used to generate a DTMF digit while in voice mode. For example, smpvoice.inf uses the following value for the GenerateDigit key:

```
HKR, GenerateDigit, 1,, "at#vts=<Digit><cr>" (generate tone signal  
<Digit>)
```

</snip>

There is no specific command Unimodem uses to put a modem in digit detection mode. If the modem requires a certain command to detect digits, this must probably be part of the voice mode activation command sequence.

When you call lineDetectDigits you just activate the notification mechanism in Unimodem TSP.

Digit detection DLE codes seem standardized, there are no specific inf entries. When you create a modem log you should always see some modem responses about digits received.

When you encounter a modem that does not detect digits I would suggest the following:

- don't playback or record any audio
 - check if it supports lineGenerateDigits
- if not I'd say that the modem does not support DTMF at all
- generate a digit from the remote side and see if something is logged in the modem log
- if not, you should find the AT command reference for the modem in question or the chipset used by the modem and see if there is an AT command required to

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activate digit detection

– you see some responses related to detected digits in the modem log but your application does not get notified, you should try with TAPI browser. If it doesn't work with TB, it should be a problem with Unimodem (unlikely, though), otherwise it would be a problem with your application

Best regards,

Matthias Moetje

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"Jack" <replyTo@newsgroup> wrote in message
news:%23NASx2PKGHA.1760@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx

I admit that 50/50 estimate is not the result of scientific research :–)
The fact is, that when I receive an inquiry from the potential user of my software who wants to receive or send DTMF tones (and this is regardless from the ability to play wave files), in 90% of cases that person has a modem which is NOT capable of doing that).
Maybe should I create list of such modems someday?
I do have test results from various models and if you are interested in I can share it with you.
On other hand, I'd never divulged into modem's ini file details.
What is the correct entry for that?
Jack

"Matthias Moetje [MVP]" <moetje@xxxxxxxxxxxxxxxxxxxx> wrote in message
news:ucjcWaEKGHA.3352@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx

Jack,

our observations are a bit different: 90% of all voice modems we tested were able to detect DTMF. Very few of them weren't able to detect DTMF during playback but during record.

Actually there aren't really a lot of different modem chipsets available anymore, so probably in most cases it's rather an incorrectly authored

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inf

file than the modem (=its chipset) itself.

Best regards,

Matthias Moetje

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"Jack" <replyTo@newsgroup> wrote in message
news:OhjEecBKGHA.3936@xxxxxxxxxxxxxxxxxxxxxxxxxxxx

From my observations:
split 50/50:
half modems on the market do not support that.
Jack

"Grant Schenck" <schenckg@xxxxxxxxxxxxxxxx> wrote in
message
[news:OUaY9k\\$JGHA.2212@xxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:OUaY9k$JGHA.2212@xxxxxxxxxxxxxxxxxxxxxxxxxxxx)

Well I'll be...

I'm probably wrong but are you sure the caps
are correct? If you

call

lineMonitorDigits on a call does it fail?

--
Grant Schenck
<http://grantschenck.tripod.com>

"Jack" <replyTo@newsgroup> wrote in
message
news:ehT3Kk2JGHA.584@xxxxxxxxxxxxxxxxxxxxxxxxxxxx

I dealed with many modems
which do not support
lineMonitorDigits.
See 3 samples below:

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=====
LineNo: 0--Windows
Telephony Service Provider
for Universal Modem
Driver--Actiontec
MD56ORD V92 MDC
Modem--1 MediaMode: 14
dwGenerateDigitModes: 0
dwMonitorDigitModes: 0

LineNo: 0--Windows
Telephony Service Provider
for Universal Modem
Driver--Agere Systems
PCI Soft Modem--1
MediaMode: 14

dwGenerateDigitModes:

0 dwMonitorDigitModes: 0

LineNo: 0--Windows
Telephony Service Provider
for Universal Modem
Driver--Compaq Presario
56K-DF--1 MediaMode:
14

dwGenerateDigitModes:

0
dwMonitorDigitModes: 0

Jack

"Grant Schenck"
<schenckg@xxxxxxxxxxxxxx>
wrote in message
news:uWEekY2JGHA.2708@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx

Do you
mean
lineGatherDigits?
Every
modem I've
ever seen
support
lineMonitorDigits.
--
Grant
Schenck

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<http://grantschenck.tripod.com>

"Jack"

<replyTo@newsgroup>

wrote in

message

<news:uRbcApqJGHA.3904@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>

not

every

modem

supports

that

operation.

"sholzer"

<sharonchick@xxxxxxxx>

wrote

in

message

<news:1138698848.459888.110340@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>

hi

all,

i

want

to

make

an

application

that

will

determine

what

digit

did

the

user

press

on

the

phone.

i

am

developing

in

vb6.

what

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is
the
simplest
way
to
do
that
?
Do
I
need
something
other
then
a
simple
modem
?
thanks
sharon