

## Re: Why are 56K Modems Limited to 44.4K

**Source:**

[http://www.tech-archive.net/Archive/WinXP/microsoft.public.windowsxp.help\\_and\\_support/2005-01/8364.html](http://www.tech-archive.net/Archive/WinXP/microsoft.public.windowsxp.help_and_support/2005-01/8364.html)

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**From:** Justin J.H.C. Schubert (jjhcs1\_at\_shaw.ca)

**Date:** 01/21/05

Date: Fri, 21 Jan 2005 18:34:53 GMT

This was a statment of fact from my own experience I have been on cable for years So my personal Data on this Subject may be a little out of Date but this is Directed toward Rural arias oK NOT someone who sits beside a FOL .

"Justin J.H.C. Schubert" <jjhcs1@shaw.ca> wrote in message

news:yqXHd.132338\$81.107865@pd7tw1no...

> *And you will Never achieve 56K on any Modem.*

>

> *All you can Hope to do is stabilize your current speed.*

>

> *No matter How you set it.....it is well known that you can Tweak the*

> *Modem but using the F1 or F&1 string by default is the best in my Opinion*

> *If you fiddle with it too much you will have None connect or Failure to*

> *connect.*

> *Ok lets say your connection from your server is Rated at 33.3Kb/s you will*

> *get at most 28.8Kb/s and at the Least 14.4Kb/s or Heaven forbid 8.8Kb/s.*

> *ALL PROVIDERS!!! Recommend that you set your Baud Rate one Kb/s higher*

> *Example 33.3Kb/s set to 44.4Kb/s*

> *and so on.*

> *I have been told by Providers and I have found this our my self the*

> *Most*

> *you will get out of a USRobotics 56Kb/s Ver 9.0 Voice/Fax modem (or any*

> *other model)is 44.4Kb/s unless your with in 50 Feet of a FOL*

> *exchange.....*

> *Simple fact of two Wire Copper and the Fact that you are Converting a*

> *Digital Signal from the Computer to analog tone pulses sending them Over a*

> *Phone line to your Server and the Server dose the opposite.....this all*

> *slows the signal.....you WILL NEVER reach 56Kb/s on a modem except by*

> *some*

> *enormous Fluke.....Ok*

> *You can only hope to Stabilize the speed if you are running at 28.8Kb/s*

> *you need to Break down your String the Default string is all well and good*

> *but it has Data compression on and Flow Error controls on which you do not*

> *need...*

> *I have set the string to F&1 or F1 or Factory 1 and Factory 2 your Modem*

> *Book will have more detailed info... Data comp and Flow Control are the*

> *slowdowns in most cases you will have to experiment with your modem but*

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- > *most*
- > *of the best strings commands are short.*
- >