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Solution Number: 34431

Date Last Modified: 2003-06-30

Product: Instrument Control 1.2 ==> Current Version

Platform: Information Not Available

Problem Description

Is there a patch for the serial communication problems with MATLAB 6.5 (R13) and the Instrument Control Toolbox 1.2 (R13)?

Solution:

There are two files available from our FTP site that address many reported issues regarding serial communication.

The reported issues include the following:

1. Why does MATLAB 6.5 (R13) hang when I try to use FOPEN during Serial communication?

<http://www.mathworks.com/support/solutions/data/33035.shtml>

2. Why does MATLAB 6.5 (R13) crash when I am using a serial object on Windows 2000?

<http://www.mathworks.com/support/solutions/data/32729.shtml>

3. Why does MATLAB not send the stop bits, even though the StopBits property of serial object is set to 1 when writing data via the FWRITE command?

<http://www.mathworks.com/support/solutions/data/33154.shtml>

4. Why am I unable to change the FlowControl property of my serial port object after I open communication with it?

<http://www.mathworks.com/support/solutions/data/31789.shtml>

To update your installation, download a revised version of two files to fix the problem.
Here are the required steps:

1. Quit MATLAB
2. Rename the following files:

\$MATLAB\java\jarext\commapi\comm.jar
\$MATLAB\bin\win32\rxtxSerial.dll

(where \$MATLAB = MATLABs root directory on your machine)

3. Download the following files from our anonymous FTP server:

<ftp://ftp.mathworks.com/pub/tech-support/solutions/s34431/comm.jar>

<ftp://ftp.mathworks.com/pub/tech-support/solutions/s34431/rxtxSerial.dll>

and place it in the same directory mentioned in step 2.

To login to our FTP server use 'anonymous' as your username
and use your e-mail address when prompted for a password.

4. Restart MATLAB
5. After restarting MATLAB, please issue the following command at the MATLAB prompt :

```
rehash toolboxcache
```

Once the files have been replaced (reinstalled) you can restart MATLAB and make use of your system's serial port.

Did this information help? Yes No Didn't Apply
Is the level of technical detail appropriate? Yes Too Much Not Enough

If you require further assistance, please [submit a request](#).
A member of our Technical Support Staff will then contact you.

We would like your opinion on the information presented above.

What did you expect to find on this page that you want us to consider adding?

Additional Comments:

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