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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 <input type="radio"/>	No <input type="radio"/>	Didn't Apply <input type="radio"/>
Is the level of technical detail appropriate?	Yes <input type="radio"/>	Too Much <input type="radio"/>	Not Enough <input type="radio"/>

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.

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