Updating LISST-200X Firmware

DRD 2017-04-18

Caution

Consult Sequoia Scientific before using this procedure, to verify it is appropriate to your LISST's condition. Only install firmware supplied directly from Sequoia or one of its international distributors.

Requirements

- Motocross.exe, a communication program that is supplied with the LISST-200X (and available upon request from Sequoia)
- A firmware file with the APP name extension, such as L200X_v1410.APP

Procedure

- Determine the COM port number to which your LISST-200X is connected. This will be the same port number you use with the LISST-SOP200X. Quit LISST-SOP200X before running Motocross.
- Start Motocross.exe
- Select Communication Settings from the File menu and use the following settings:
    - Port #: the number of the COM port on your computer
    - Baud Rate: 9600
    - Mx Download Baud Rate: 115200
    - Parity: None
    - Data bits: 8
    - Stop Bits: 1
    - Flow Control: None
    - Local Echo: Off
    - Send LF after CR: Off
- Connect the LISST-200X to the computer, and supply power to it. Verify that it is communicating and responds with the L200x:> prompt.
- Type XX and press enter. Look for the C:\> prompt.
- Select Load from the Transfer menu. Select the appropriate .APP file and press the Open button. A Transfer Status window will appear as the program is loaded.
- When the loading is complete, you should see a message like:

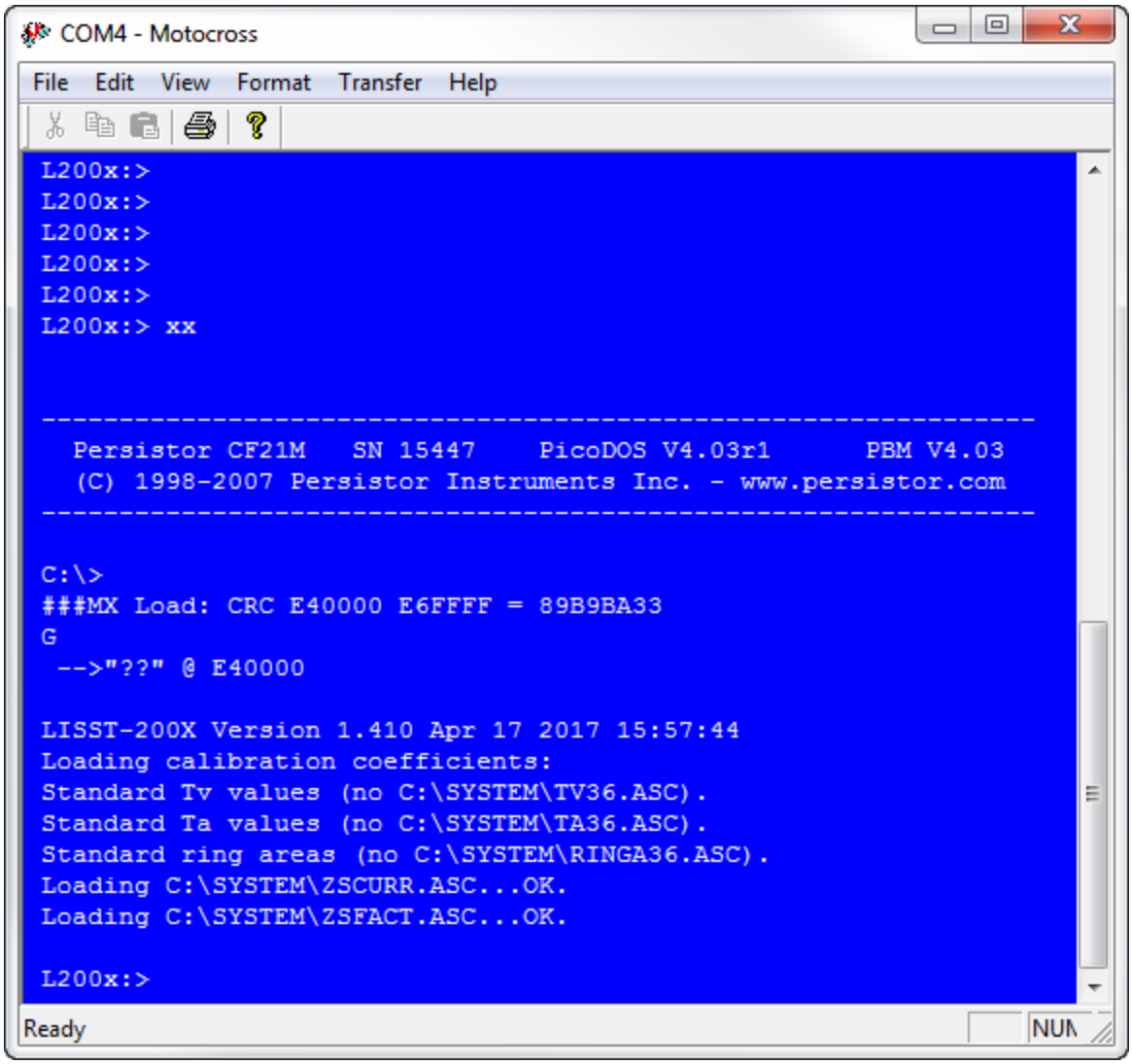
```
###MX Load: CRC E40000 E6FFFF = 89B9BA33
G
```

(If the letter G does not appear on this line, see note below)

- Press Enter. The firmware should start, display the updated firmware version number, and present the L200x:> prompt.

Note: If you see the line starting with ###MX Load but the letter G does not appear on the following line, and the LISST does not respond to the enter key, quit Motocross, restart it, and press enter. If you see a PBM> prompt, type G and press enter.

The image on the following page shows the commands and typical responses.


COM4 - Motocross
File Edit View Format Transfer Help
L200x:>
L200x:>
L200x:>
L200x:>
L200x:>
L200x:> xx
Persistor CF21M SN 15447 PicoDOS V4.03r1 PBM V4.03
(C) 1998-2007 Persistor Instruments Inc. - www.persistor.com
C:\>
###MX Load: CRC E40000 E6FFFF = 89B9BA33
G
-->"??" @ E40000
LISST-200X Version 1.410 Apr 17 2017 15:57:44
Loading calibration coefficients:
Standard Tv values (no C:\SYSTEM\TV36.ASC).
Standard Ta values (no C:\SYSTEM\TA36.ASC).
Standard ring areas (no C:\SYSTEM\RINGA36.ASC).
Loading C:\SYSTEM\ZSCURR.ASC...OK.
Loading C:\SYSTEM\ZSFACT.ASC...OK.
L200x:>
Ready
NUM