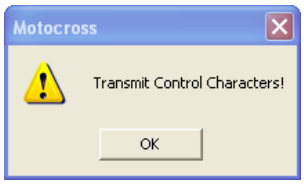
Procedure for Updating LISST-Portable|XR Firmware

DRD 2014-4

This procedure requires that you have installed the LISST-Portable Windows software supplied with the instrument. The installer also includes the program MotoCross, which is a text-terminal program for communicating directly with the controller in the instrument. MotoCross will be installed in the LISST-Portable Tools folder, within the same folder as LisstPort.exe.

1. Connect LISST-Portable|XR to computer and verify that the instrument is communicating with the LISST-Portable windows software. Close the LISST-Portable software and open the MotoCross.EXE program. If necessary, Select File->Communications Settings and set the Port # to the COM port to which the instrument is connected.

2. With the MotoCross program open the instrument should respond by printing text to the screen. Depending upon which version of the firmware that is currently loaded you will either see the text "*recv_char =*" or "*Instrument is not in External Interface Mode*" when pressing Enter. In order to stop the running firmware type Ctrl-C (hold down the Ctrl key and press the C key). The instrument should then respond with a L100x> prompt each time the Return key is pressed. If the instrument does not respond to the Ctrl-C command try pressing the Shift and Ctrl keys until the dialog box that appears reads "Transmit Control Characters ". At the L100X> prompt type XX and press enter. A C:/ prompt will now appear.



3. Select Load from the Transfer menu of MotoCross. Select the firmware file to load. The file should have an APP extension. A transfer status window will appear as the program is loaded. When the loading is complete a C:\> G will appear. Press Enter to start the new firmware. The standard power up screen should appear and the Main Menu should appear.

   If the G does not appear. Close MotoCross and restart it. Press enter. If a PBM> prompt appears type G and press enter to start the firmware. Alternatively you can turn off the LISST-Portable|XR and remove external power. When the power is turned on again the new firmware will start.

4. The new firmware is now loaded. The image to the right shows the commands and the typical responses.

