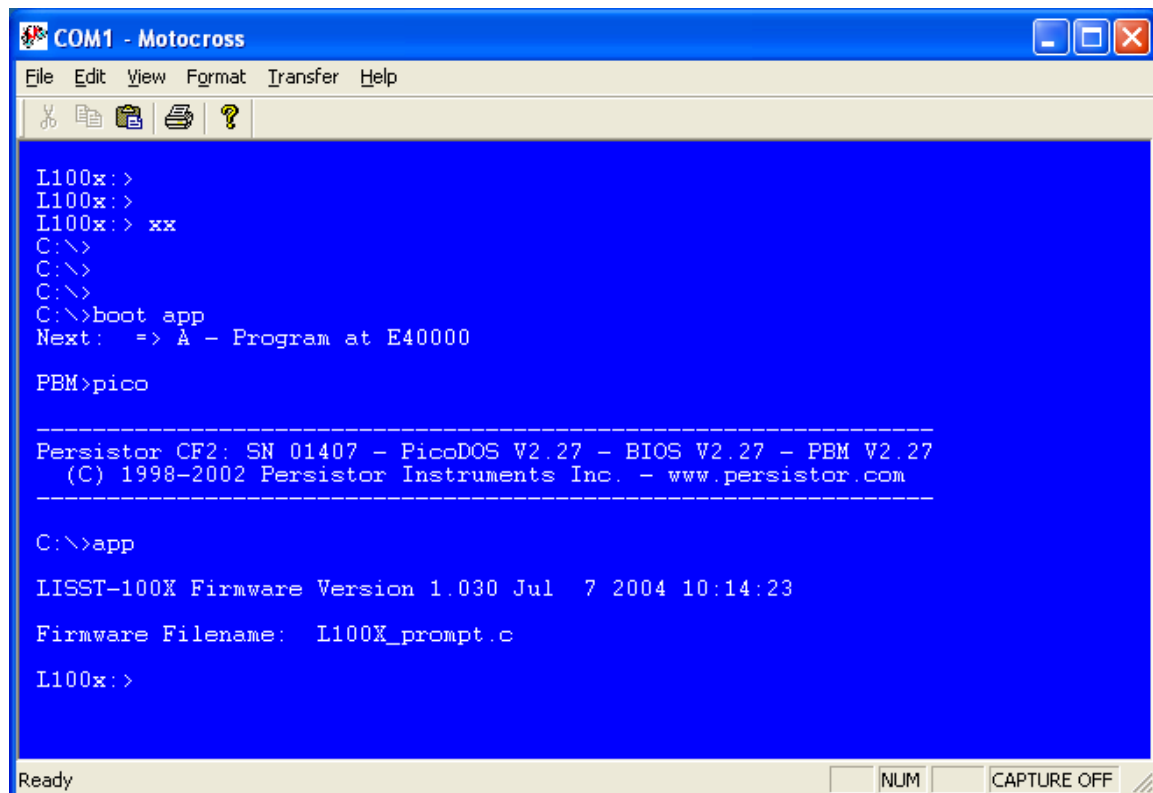


Standard Procedure for Updating LISST-100X Firmware

The following procedure is used to update the on-board firmware for the LISST-100X. This procedure is only used for the LISST-100X and not the earlier version LISST-100.

1. Connect LISST-100X to computer and verify that the instrument is communicating with the LISST-SOP windows software. Close the LISST-SOP software and open the MotoCross.EXE program. The MotoCross.EXE program is a terminal window program that talks directly to the datalogger of the LISST-100X. This program is installed when the LISST-SOP software is installed. To start the program double click on it from within Windows File manager.
2. With the MotoCross program open the instrument should respond with a L100x> prompt each time the Return key is pressed. At the L100X> prompt type XX and press enter. A C:/ prompt will now appear. This is the low level prompt of the datalogger.
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 backspace to clear the G from the screen and then type BOOT APP and press Enter.
4. A PBM> prompt will appear. Type PICO and press Enter. The C:\> prompt will appear. Type APP and press enter to start the program.

The image below shows the commands and the typical responses.



```
COM1 - Motocross
File Edit View Format Transfer Help
[Icons: Cut, Copy, Paste, Print, Help]

L100x:>
L100x:>
L100x:> xx
C:\>
C:\>
C:\>
C:\>boot app
Next: => A - Program at E40000

PBM>pico

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Persistor CF2: SN 01407 - PicoDOS V2.27 - BIOS V2.27 - PBM V2.27
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C:\>app

LISST-100X Firmware Version 1.030 Jul 7 2004 10:14:23
Firmware Filename: L100X_prompt.c
L100x:>
```

Ready NUM CAPTURE OFF