LISST-Portable|XR Firmware and System File Upgrade Nov. 2014

NOTE: These changes are only for LISST-Portable|XR instruments, not LISST-Portable instruments with the smaller 4.3" display.

Overview

The extent of changes required depends on the firmware version currently installed on the LISST. To determine the current firmware version, press the Info button on the Main Menu screen.

The following steps are required:

1. Receive updated System files, Firmware, and LISST-Portable Software from Sequoia Scientific.
2. Update LISST-Portable software.
3. Update instrument firmware.
4. If the existing firmware version was lower than 2.00, upload the system files.
5. Test operation to confirm successful update.

Update LISST-Portable Software

The current version of LISST-Portable is 3.0.10. Run Setup_Portable.exe to install it.

Update Firmware

The procedure for updating the LISST-Portable|XR firmware is documented in the PDF titled "Standard Procedure for Updating LISST-Portable Firmware" which is included with the firmware. Use this procedure to install the provided firmware file onto the instrument. This step should be done before updating the System folder on the instrument.

Upgrade files in System folder

This step is only necessary if the previous firmware version was 2.00 or earlier, but is safe for all versions.

1. Place the provided System files into a temporary folder on the PC
2. Connect the LISST to your computer, and turn it on.
3. Start the LISST-Portable Windows software.
4. Select Connect – Use External Interface from the Operations menu. If the connection is not successful, select Serial Port Settings from the Communication menu and check that the correct COM port is selected.
5. Select Terminal Window from the Communication menu. This will allow you to monitor communication between the software and the LISST.
6. Select Upload from the File menu and navigate to the temporary folder containing the System files. Select all the files and press Open. All of the files selected will be uploaded into the System folder. Uploading will take several minutes.

Test Instrument functions

Select Disconnect from the Operations menu. Turn off the power on the LISST to reset it, then turn it on again. The initialization process will take slightly longer than usual as the instrument registers updated system files. Then test the instrument for normal functions.