SYSTEM 824

Firmware Upgrade Procedure

Larson Davis

Introduction

By following this very simple procedure, you will be able to upgrade your Larson Davis instrument with new features and the latest firmware. Before you begin you will need:

Upgrade Tools List:

- Minimum 486 PC compatible computer w/ 16 MB RAM, 10 MB hard disk space, RS-232 serial port (A 25-pin to 9-pin "D" type adapter may also be required)
- 824-Utility software (included with 824)
- CBL006 serial cable (included with 824)
- Firmware files: *824-nnnn.ldk* authorization and *ld8-vvvv.rom* code files where (*nnnn* is your serial number and *vvvv* is the version number)

To download firmware from our website at www.larsondavis.com you will need:
- Internet access via modem or direct connection (28.8kBaud or higher recommended)
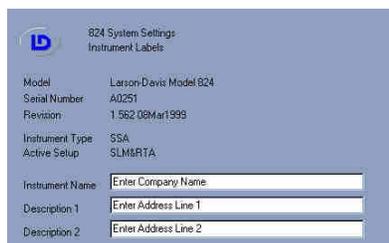- Web browser (Netscape™ 3.0+ or Internet Explorer™ 3.0+ recommended)

Initial Setup

1. Power down both computer and 824.
2. Connect an available RS-232 serial port on the PC to the 824 with the CBL006 cable.
3. Turn the computer on, then the 824.
4. On the 824, press **TOOLS**, then select **Communication** and set the baud rate to 9600, 19200 or 28800.
5. Start the 824-Utility software on your PC.

Connecting

1. Under the software's **File** menu, select **Connect** or press the tool bar icon.
2. Enter the COM port and Rate of your 824.
3. Your instrument will connect and its serial number and revision will appear on the Title tab window.
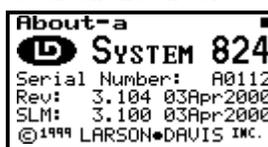
Upgrading Firmware

1. Under the **File** menu, select **Upgrade…**, then browse to your 824-nnnn.ldk file.

2. Select Apply Firmware and press Start. The upgrade will take a few minutes. *CAUTION: DO NOT DISCONNECT during the process.*

3. Once the upgrade is complete, verify that the 824 has a new revision in the **TOOLS**, **About-a** screen shown below.

4. If you purchased new options, you may either select both the firmware upgrade and options upgrade boxes or repeat the procedure, selecting **Apply Options** in step 2 above. The **Apply Options** function will only take a few seconds.

Contact Larson Davis Customer Service at techsupport@larsondavis.com *or (888) 852-7328 if you have any questions regarding your upgrade.*