

# Logger Pro for Macintosh and Windows Release Notes

rev. 2.2.1 (international)

August 12, 2002

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## CONTENTS: What's New in Version 2.2.1

What's New in Version 2.2

Known issues

Windows Only

Macintosh Only

Windows and Macintosh

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## WHAT'S IN VERSION 2.2.1

- New USB driver for Windows to fix a blue screen problem with Windows 2000 Service Pack 3.
- New experiment files for the Earth Science book.
- New AutoID files for Colorimeter, Accelerometers (25g, 5g, 3 axis), UVA and UVB sensors, mV Amplifier, and EKG.
- Displayed precision corrected in AutoID files for current and differential voltage probes and Dual Range Force Sensor.
- Minor changes to Tools for Scientific Thinking heat and temperature experiment files.

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## WHAT'S NEW IN VERSION 2.2

- New experiment files for the Current Probe, Differential Voltage Probe, Sound Level Meter, Force Plate, and Instrumentation Amplifier. Minor fixes to experiment files for Real Time Physics. New experiment files for the Real-World Math book.
- Auto ID functions added for Force Plate.
- New USB driver for Windows to fix problems with Windows 2000 and Windows XP. This update removes the need for the USB Updater as has been distributed by web only.
- Fixed crashing problem with Events with Entry mode on low-resolution monitors, commonly occurring during titration experiments.
- Fixed installation problem with Windows 95 and 98 when user did not have Microsoft Office installed.
- Fixed installation problem with international versions of Logger Pro and USB.

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## KNOWN ISSUES:

### Windows Only:

- Important Installation note for Windows 2000/XP users: When you first connect a LabPro using a USB cable to your Windows 2000/XP machine, your computer will automatically begin to install the USB driver software for the LabPro. Windows may open a dialog box that says either "Digital Signature Not Found" or that the driver has not passed "Windows Logo

testing." The LabPro driver is safe to use, but since it has not been certified by Microsoft, Windows will not install it without opening these dialog boxes. To complete the installation, you must click "Yes" (Windows 2000) or "Install Anyway" (Windows XP).

- On some Windows machines, when pasting Logger *Pro* copied data in Excel, 'Paste Special...' with 'Source As Text' must be used. If the default 'Source as Unicode Text' is used, what gets pasted into Excel is the first thing copied to the clipboard during this session of Windows and not your Logger *Pro* data.
- The remote data collection procedure using Windows 2000 and Windows XP with a USB connection differs from previously published methods. After collecting remote data, reconnect LabPro to the computer. Select Interface... from the Setup menu and click OK. Then select Retrieve Data from the Remote menu.

#### **Macintosh Only:**

- On some Macintosh machines, when attempting to open Logger *Pro* Help from within Logger *Pro*, the user will see a "Failed to launch Help" message. This is caused by an outdated Desktop Database. It can be fixed with a rebuild of the desktop database by restarting the Mac while holding down the Apple and Option keys.
- When collecting live data in rotary or radiation mode on a Macintosh, menu selections have been known to sometimes cause the computer to hang. For this reason, Live Readouts have been disabled for the Macintosh in these modes. If this problem occurs, it is recommended that you wait until data collection is stopped or finished in these modes before selecting menu items.
- When running the unsupported 68k version on MacOS 7.6.1 or earlier, serial data collection with a LabPro may be corrupted by a serial communications conflict with AppleTalk. If this occurs on your machine, you should turn off AppleTalk during data collection.

#### **Windows and Macintosh:**

- A side effect of allowing Logger *Pro* to import "old data" (i.e. data previously retrieved on another computer or collected by a calculator) is that disconnecting LabPro during collection or live readouts -or- updating the firmware will cause Logger *Pro* to think there is remote data in Logger *Pro* that needs to be retrieved upon startup. If this happens, it is safe to choose 'Ignore/Erase Data' in LabPro from the 'LabPro Has Data' dialog box.
- There are some combinations of data and non-linear functions that are difficult for Logger *Pro* to generate good automatic curve fits. If you are experiencing problems getting the curve fit you think you should, try restricting the selected data to just the area of interest (so extraneous points won't affect the fit) or try using manual fit.
- Remote data collection with a LabPro and a motion detector is only supported with the default calibration. Other digital probes (rotary, radiation and photogates) as well as the Heart Rate Monitor are currently not supported with remote collection.
- When adding a column from the curve fit dialog, the data points sometimes don't appear properly in the table. Simply double click on the column heading in the table, then choose OK from the modify dialog that comes up. This will force the data points to be recalculated.
- When adding a new formula column, there is a problem with nested functions like `Derivative(Derivative("Distance"))` during live data collection. When

collecting live data, only a single derivative is calculated. To generate good second derivative data, don't nest the functions directly. Instead, add one column for the first derivative, then add another column (taking the derivative of the first column) for the second. Any combination of the following functions should not be nested: Derivative, Smooth, SmoothDerivative, SmoothSecondDerivative, Delta, Rate, Sum, and Initial.

- You cannot use a rotary motion and an analog sensor at the same time with LabPro.

***Logger Pro updates are always available for free download from our web site at <http://www.vernier.com>***