

Quick Start Guide

for SoundPro® DLX and QuestSuite Professional II

System Revision: V2.7

V2.7 (August, 2005):	Fixed incorrect Lpk values when using 1/1 or 1/3 filtering. Corrected overall session Lmin & Lmax, when multiple studies are combined. In daily trigger, limit runtime to 23:59:30 so that system has time to re-start. Ln (exceedance) measurements are now properly limited to full meter bandwidth, despite earlier (incorrect) setup selection options.
V2.6 (March, 2005):	Internal software is capable of supporting future lithium ion batteries. Support for multiple Languages. (See: MENU/Global Setup (World)/Meter Information (i)/Language). Language may be set to: English, French, German, Italian, Portuguese, or Spanish.
V2.5 (December 2004):	Fixed “C-A” weighting limitation.
V2.2 (November 2004):	1 st Release.

Your SoundPro® DLX RTA has been designed so that your Quest dealer can update the firmware. You can see which version you are currently running by selecting the MENU button / “Global Setup (World)” / “Meter Information (i)” screen.

Please check the following website http://www.quest-technologies.com/Support/c_support.htm to see if this is the latest version and for other updates.

SoundPro® DLX (Instrument) Quick Start

Battery Pack Installation

1) Remove the back cover

The reset switch and main batteries are inside the back cover.

➤ **To remove the back cover:**

1. Press the Button Latch firmly while sliding the cover toward the base of the instrument. The cover's six edge pins will slide out of the mating slots (one pin and slot pair circled in [Figure 1](#)).
2. When the pins have cleared the slots, lift off the back cover and lay it aside.

► **To replace the back cover:**

1. Line up the edge pins with the slots in the case.
2. Press down until the cover fits flush against the back of the instrument. You may need to squeeze the sides of the cover slightly to guide the pins into the slots.
3. Slide the cover toward the top of the instrument until the Button Latch re-engages, then release the button. The cover should fit tight all the way around.

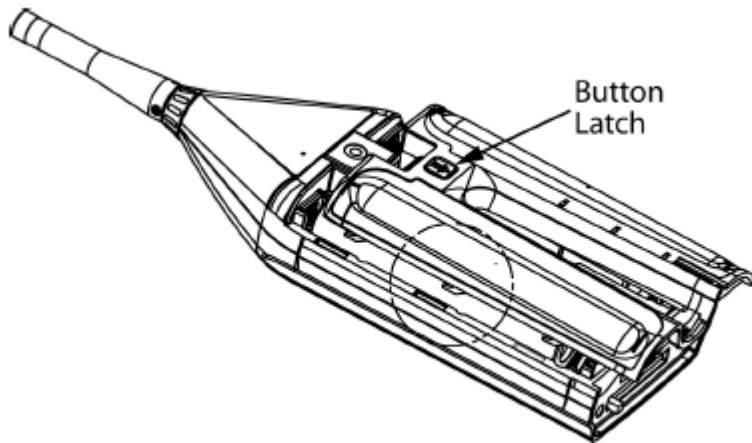


Figure 1 Removing/replacing the back cover

2) Installing or changing batteries

SoundPro® DLX is shipped with rechargeable Lithium-ion (Li-ion) batteries in two battery packs. Older models were shipped with rechargeable Nickel Metal Hydride batteries (NiMH) batteries in two battery packs. All models are also shipped with tubes into which standard AA alkaline cells can be placed and the tubes then installed in place of the rechargeable batteries.

Li-ion battery pack (057-823), two needed.

Remove the back of the instrument as explained above. The batteries are installed in virtually the same way as the NiMH battery packs, explained under “NiMH battery pack,” below, except for battery pack orientation. First, note that there is a front and rear end of each battery pack. The cable connector is closer to the front end, and there are indentations along the ring at the front end that fit corresponding ribs in the battery well. Also, the case at the rear of the battery pack is designed so that it fits against a rear rib at the bottom of the battery well. Install the Li-ion battery packs straight down (no turning or twisting) with the front indentations sliding along the front ribs and the battery packs resting snug against the battery well. Plug in as explained under “NiMH battery pack”.

(or) NiMH battery pack (053-176), two needed.

Remove the back of the instrument as explained above. Each battery pack is connected to the instrument by a cable with a plug at the end. Insert the plug in the mating socket (See [Figure 2](#)). The plug fits only one way and latches in place. Before replacing the cover, make sure the batteries are both oriented so that the battery wiring and wiring packs clear the cover (See [Figure 3](#)).

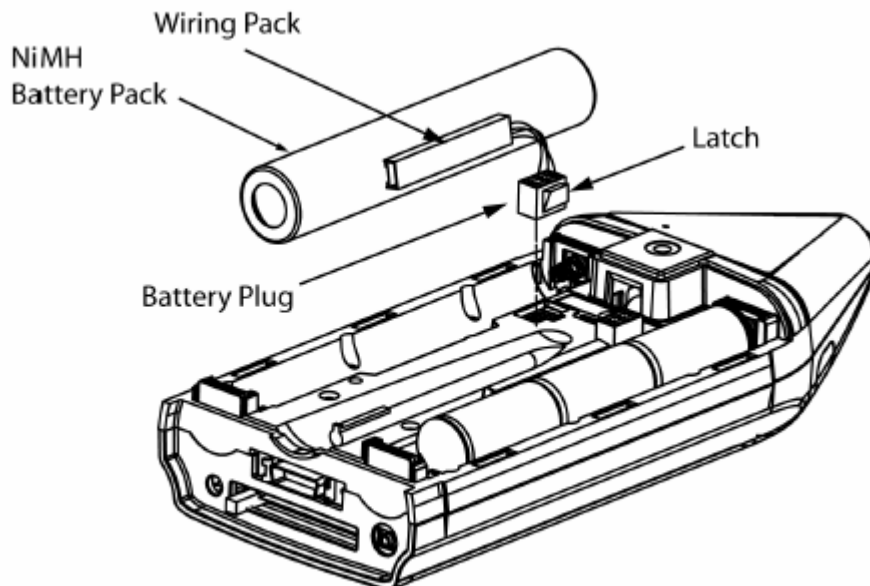
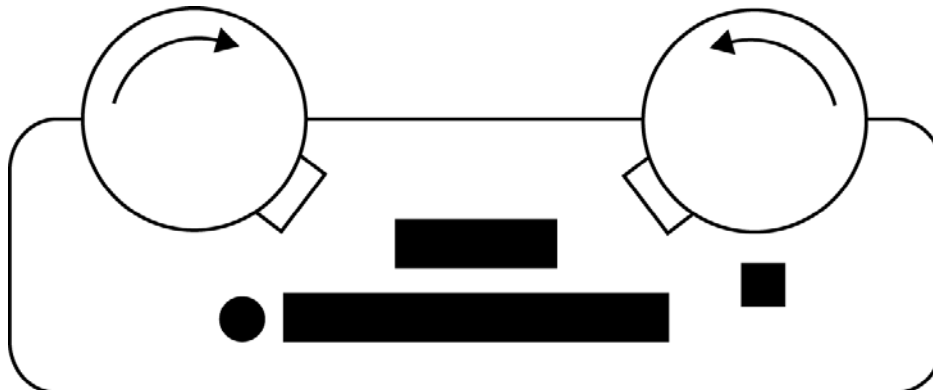


Figure 2 Remove/install a NiMH battery pack

➤ **To install a NiMH battery pack:**

1. With the battery pack close to its slot in the case, orient the plug with the latch toward the inside of the instrument.
2. Press the battery plug into the case socket until the plug locks in place.
3. Lay the battery in the slot, rotating it as shown in [Figure 3](#) so that the wiring pack will not stick up and interfere with the cover.



4. Repeat for the other battery.
5. Replace the back cover.

➤ **To remove a battery pack (Recommended when not in use for more than 1 week):**

1. Remove the back cover, as explained above.
2. Lift out one of the batteries without tugging on the battery cable. This will enable you to get a good grip on the plug. See [Figure 2](#) for this and the following steps in the procedure.
3. Grab the plug between your forefinger and thumb, depressing the latch.
4. Pull the plug out of the socket and lift the battery out.

NOTE: *SoundPro@DLX*'s built-in charging circuit works only through the socket provided for the battery packs, not the end connectors used for the alkaline cells. Alkaline cells are not exposed to recharging current.

Using USB with QSP-II and SoundPro®DLX (QuestSuite Professional II, PC-based Software)

Before QSP-II can use USB to communicate with the SoundPro® DLX, a USB driver needs to be installed on the computer. If you installed QuestSuite Professional II, the driver is loaded automatically during the install. If you are not using QSP-II, install the USB driver from the SoundPro® CD packaged with the SoundPro®. After the USB driver is installed, re-boot your computer. AFTER rebooting, power the SoundPro® DLX up and plug the cable into your PC. The "Windows Found New Hardware Wizard" window will appear. Just accept the defaults to finish the installation. YOU MUST ACCEPT ALL THE DEFAULTS to complete the installation. The software will not work without the complete installation.

IMPORTANT Note: The SoundPro® DLX *must NOT BE CONNECTED* until *after* the USB driver CD has been installed.

This process will configure a specific USB port on the PC to communicate with the SoundPro® DLX. If you have multiple USB ports on your PC and you plug the cable into a different USB port, the "Windows Found New Hardware Wizard" will appear prompting you to install the driver again. Just accept the defaults to finish the install and configure the additional USB port to communicate with the SoundPro® DLX; it does not require a re-boot. YOU MUST ACCEPT ALL THE DEFAULTS to complete the installation. The software will not work without the complete installation.

For detailed instructions on using USB with QSP-II perform the following steps:

Load USB Driver on PC:

By default the USB driver is loaded during the initial QSP-II software installation.

First Install the SoundPro® USB driver software. Then you may connect the SoundPro® to the PC.

1. Power up the SoundPro® and allow it to come all the way up until measurements are displayed on the screen.
2. After the SoundPro® is up and running, connect the Quest "053-855 USB Cable Assembly" to the PC.
3. Connect the other end of the "053-855 USB Cable Assembly" to the SoundPro®. The "Found New Hardware Wizard" window will appear on the PC.







4. Verify that the "Install the software automatically" button is selected.
5. Click the **Next** button in the "**Found New Hardware Wizard**" window to accept the defaults and to install the SoundPro® DLX software.
6. Wait 30 seconds after the software installs before continuing.

Configure/Verify the SoundPro® Network and USB Settings:



From the front panel of the SoundPro®:

1. Click the **Menu** Key.
2. Click the **Globe** icon.
3. Select the **Network Settings** icon.
4. Under **Setup Type**, select **USB**.
5. Make a note of the assigned IP Address; you will need this value to enter into QSP-II.

Add the SoundPro® to the QSP-II inventory:

	<p>At the very top of the control pane is the My Instruments Icon.</p> <p>Click on the My Instruments icon and the My Instruments view will appear in the Data Pane.</p>
	<p>At the far left side of the My Instruments window is a vertical list of Instrument Family icons. Select the Acoustics Family icon from the list.</p>
	<p>Select the SoundPro® icon from the acoustics family member list. A list of the SoundPro® instruments currently in QSP-II's inventory will appear.</p>
	<p>Go to the right of the instrument inventory list and click the Add button. The Add Instrument window will open. Enter the following information:</p> <ul style="list-style-type: none">• Name/Description• IP Address (From SoundPro® Network Settings, see above.) <p>After entering the information click the ADD button at the bottom of the window. Your SoundPro® will now appear in the inventory list.</p>

Test Communication with the SoundPro®:

	<p>Select your SoundPro® from the instrument inventory list and click the Retrieve Data Button. The Retrieve Data window will open.</p>
	<p>On the right hand side of the Retrieve Data window is the Connect icon. Click on this icon to test communication with your SoundPro®. If communication is successful, the instrument data section will populate with all the data available for download from the instrument.</p>