Quick Reference Guide

LB Interface Unit

Table Of Contents

1. Interface Unit

The **Interface Unit** controls the various devices attached to the LB system.

Figure 1.1 Front (right) view.

Figure 1.2 Rear view.

1.1. Connections

The back of the Interface Unit has six ports (see figure 1.3). The rightmost port is an USB port which is used to connect the Interface Unit to the USB port of a computer. The remaining five ports are 15-pin serial device ports used to communicate with the attached devices. The ports should be filled from the right to the left (starting from DEV 1). Do not leave any empty ports between used device ports. Below these ports is the mains inlet connector and power switch.
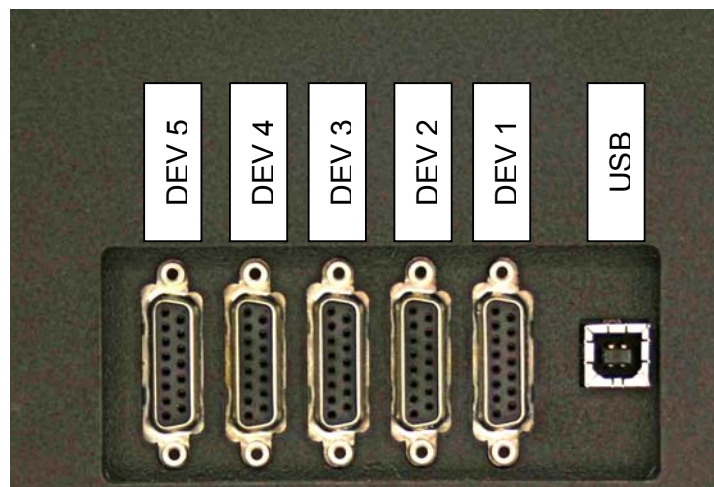

Figure 1.3 Ports on back panel.

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On the right side of Interface Unit is the connection panel for pH-sensor, temperature sensor, magnetic stirrer and analog input.
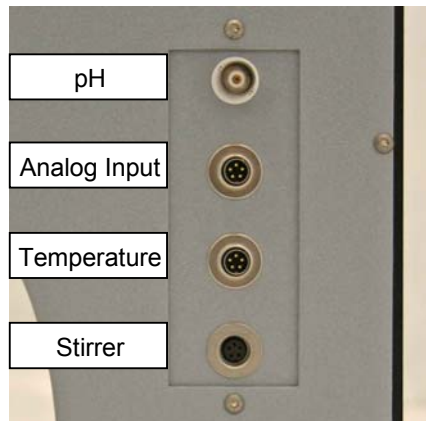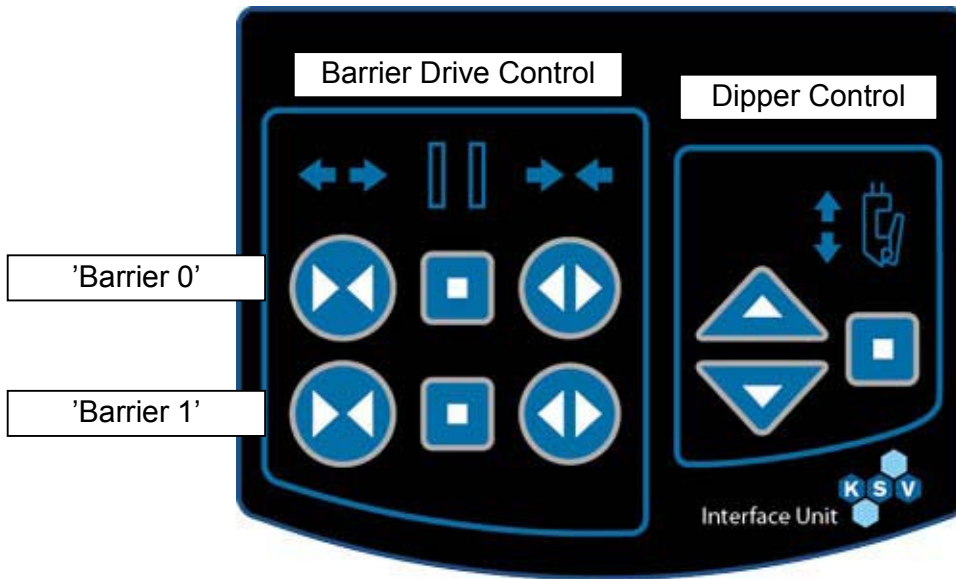

Figure 1.4 Connection Panel on right side

1.2.   Control Panel

On the front of the Interface Unit is manual control keypad.

Figure 1.5 Interface Unit front (left) view.

Explanation of icons:

 CLOSE BARRIERS

 OPEN BARRIERS

 STOP

 DIPPER UP

 DIPPER DOWN

1.3. Installing drivers for USB interface

The LB Interface Unit comes with an USB interface for communicating with the computer. The installation of this USB interface requires that some drivers are installed in the Windows operating system. The installation of the USB drivers is done according to the following procedure.
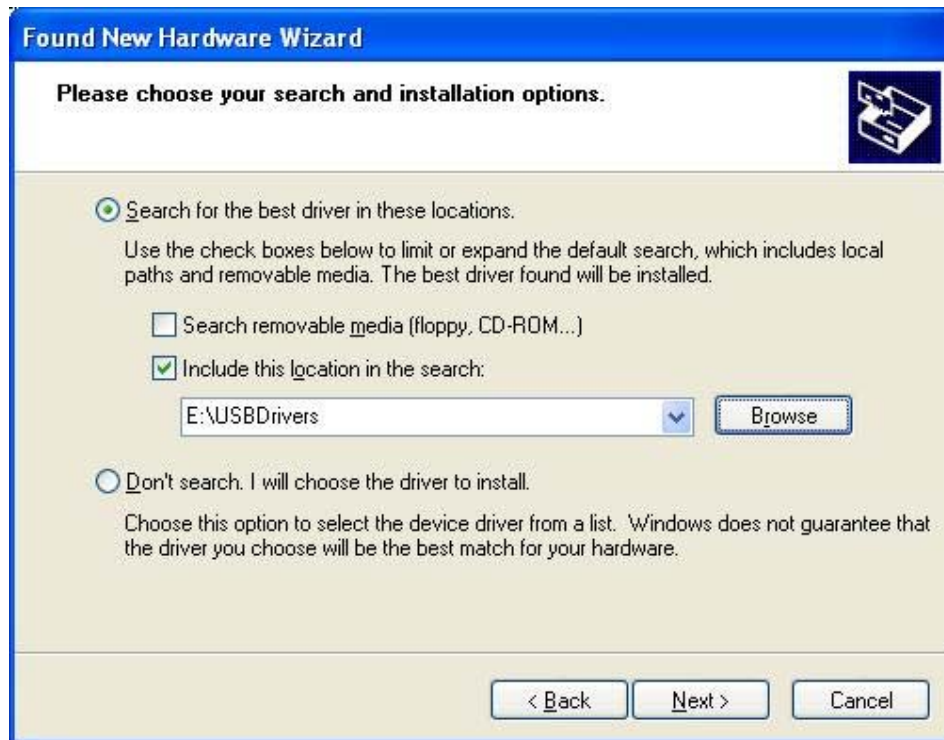
Start the computer and let the Windows operating system load completely. Connect the USB cable into the USB port on your LB Interface Unit and the other end in any free USB port on the computer. Windows will now automatically detect it as **KSV LB Interface Unit**, and starts the **New Hardware Wizard** for installing the USB driver.

Wait until the **Found New Hardware Wizard** opens or start it manually by opening **Add Hardware** in the **Control Panel**.
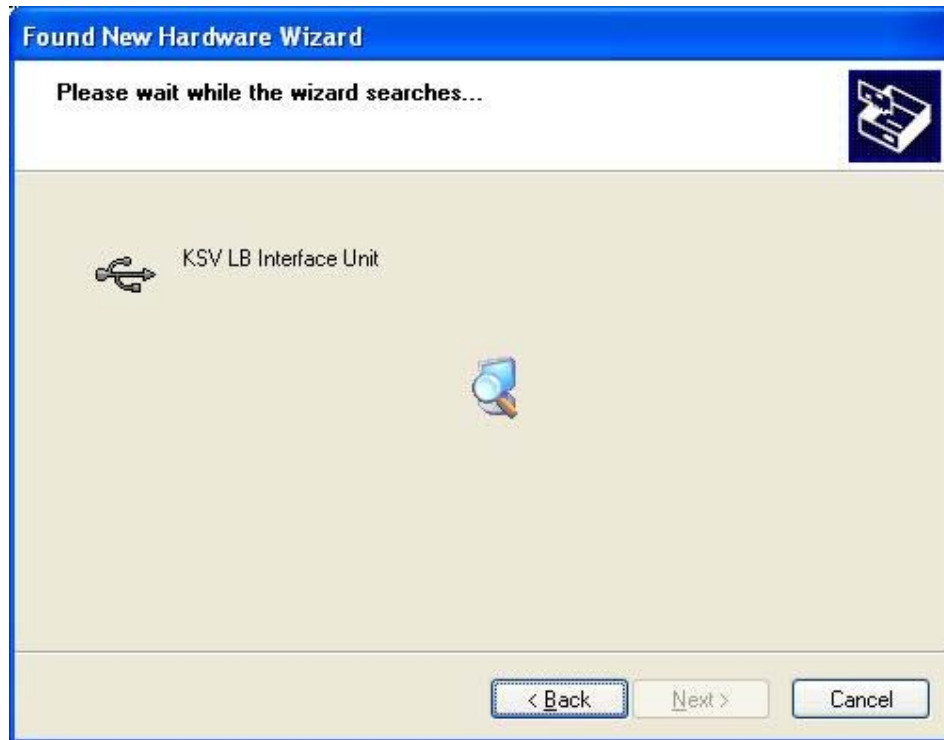

In the **Found New Hardware Wizard** window choose **"Install from a list or specific location (Advanced)"** and then press the **Next** button. At this point insert the WinLB Software Installation CD that was delivered with the instrument in the computer CD-ROM drive.

Now the wizard asks for location of the drivers. Choose **"Search for the best driver in these locations"**. Check **"Include this location in the search"** and press **Browse** button.

Select the **'USBDrivers'** folder from your CD-ROM drive and press **OK** button.

Now the wizard starts to search correct driver.

The wizard will notify you that the software has not passed Windows Logo testing. Press the **Continue Anyway** button to continue the installation of the driver.

The wizard will install the USD drivers for the LB Interface Unit. After the drivers have been installed the following window will appear.

To complete the installation of the drivers press the **Finish** button.

Now the drivers for the LB Interface Unit USB interface has been installed, next the WinLB software needs to be installed.