

# Liquivision Xen/Xeo Software for Windows

There are three main software items that can be downloaded for the Xeo:

1. Drivers (required in order to use the PC interface device for anything at all)
2. Liquivision PC dive logging software (so you can download your dive profiles)
3. Xeo Firmware updates (to fix small bugs in your Xeo's internal operational software/firmware)

**IMPORTANT - Installing new software on your Xeo may reset your unit's memory. For this reason, prior to starting the install, you should make sure:**

1. You have downloaded any dive logs
2. You have your free Xeo Unlock PIN Code available

## Section 1: Drivers

Before you can download dive logs or upgrade your Xeo firmware, you need to download and install the appropriate drivers for your PC.

Make sure that your Xeo PC interface is NOT plugged in to your desktop computer. If it is plugged in, then please UNPLUG it before proceeding.

### Downloading and Installing the Drivers

- Download the drivers from <http://liquivision.com/downloads/XenXeoDriversSetup.exe>
- You will be asked if you want to save the file. Click "Save File."
- Then navigate to the location where you saved the file (most likely your "downloads" folder) and double click it.
- You will be asked "Are you sure you want to launch XenXeoDriversSetup.exe"? Click OK.
- The drivers will be installed. You will briefly see a black window pop up and then disappear.
- If you do NOT see the black command window pop up for several seconds, then please double click on "XenXeoDriversSetup.exe" for a second time.

Once the black command window has appeared and finished (disappeared), then plug in the Xeo PC interface into your desktop computer. Plug the USB cable into the Xeo PC interface box, and then plug the other end of the USB cable into your PC. The "Found New Hardware" wizard will launch. Click "Do not connect to the Internet", and continue the prompts. At the end, Windows should inform you that your "New Hardware is Ready to Use."

## Section 2: Dive Log Downloader

The Liquivision Dive Logger program allows you to download your dive logs from your Xeo. In order to use it you must have the Xeo PC interface device and the FTDI drivers must be installed on your computer (as described in Section 1).

## Downloading and Installing the Dive Logger

- Click <http://liquivision.com/downloads/LVDiveLogSetup.exe> to download the Liquivision Dive Logger installation package.
- You will be asked if you want to save the file. Click "Save File."
- Then navigate to the location where you saved the file (most likely your "downloads" folder) and double click it.
- You will be asked "Are you sure you want to launch LVDiveLogSetup.exe"? Click OK.
- Follow the wizard and the Liquivision Dive Logger software will be installed.

The wizard will install a shortcut to the Liquivision Dive Logger on your desktop. To launch the Logger, double click on the shortcut. Create a username for yourself, and you're ready to go!

Once you have installed the Liquivision Dive Logger software, you can follow the instructions in the Xen ([http://liquivision.com/docs/Xen\\_User\\_Manual.pdf](http://liquivision.com/docs/Xen_User_Manual.pdf)) or Xeo manual ([http://liquivision.com/docs/Xeo\\_User\\_Manual.pdf](http://liquivision.com/docs/Xeo_User_Manual.pdf)) on how to use it.

## Section 3A: Xeo Firmware Updater Utility

In order to update the firmware inside your Xeo, you need the Xeo PC interface device, and you need to install a utility called the "Liquivision Firmware Updater." If you do not have a Xeo PC interface and you would like to update the firmware on your unit, your dealer should be able to do it for you.

To upgrade your own firmware with your own PC interface:

### Downloading and Installing the Firmware Updater

- Click <http://liquivision.com/downloads/LVFirmwareSetup.exe> to download the driver install package (LVFirmwareSetup.exe)
- You will be asked if you want to save the file. Click "Save File."
- Then navigate to the location where you saved the file (most likely your "downloads" folder) and double click it.
- You will be asked "Are you sure you want to launch LVFirmwareSetup.exe"? Click OK.
- Follow the wizard and the Liquivision Firmware Updater will be installed.

## Section 3B: Installing New Firmware

You should always run the latest and most recent software on your Xen or Xeo. You may already have the latest version, which makes an upgrade unnecessary.

You can find out which version you are running and whether you need to upgrade by checking the Xeo Software History (<http://liquivision.com/downloads/XeoSoftwareHistory.php>) or the Xen Software History (<http://liquivision.com/downloads/XenSoftwareHistory.php>). Some early versions of the software have minor bugs which were fixed in later versions.

If you have determined that your software should be upgraded, follow the steps below. Please note that you MUST have already installed the Liquivision Firmware Updater on your computer prior to following the steps below!

For starters:

- Make sure the Xen/Xeo FTDI drivers have been installed on your computer (see top of this page)
- Make sure the Liquivision Firmware Updater has been installed on your computer (see above)
- Make sure your computer has reported that your "New Hardware is Ready to Use" (see above)
- Connect the Xeo PC interface to your computer with the included USB cable (see photo below)
- Make sure the USB cable is plugged into the Xeo PC interface (see photo below)
- Place the Xeo unit on the desk, on its side, with the PC interface aiming for the eight holes on the backplate (see below)
- The distance from the PC interface to the Xeo should be between 2cm and 4cm (1-2 inches).



## Installing new Firmware on your XEO

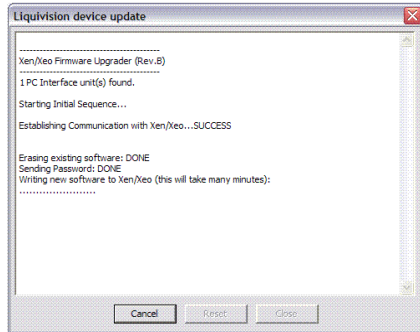
- Got to Xeo Software History (<http://liquivision.com/downloads/XeoSoftwareHistory.php>) or the Xen Software History (<http://liquivision.com/downloads/XenSoftwareHistory.php>) to download the latest firmware for your device. The first file at the top of the page will be the most recent version.
- You will be asked if you want to open the file with the suggestion "liquivision.lvp". Click Open then OK.
- The Liquivision Firmware Installer should launch and you should see something like this:



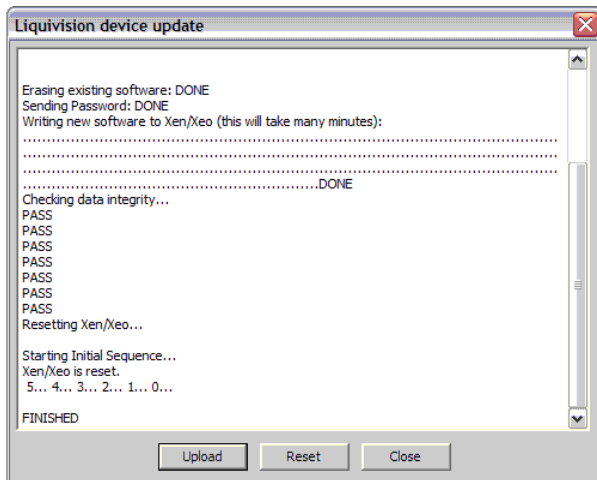
- Click OK, then click UPLOAD.

- Alternatively you can start the firmware updater from your programs. You will then see the window above. Click on "Browse" and browse for the .lvp file which you downloaded from our website.

Once you click UPLOAD, you should see something like this:



After several minutes of further data transfer, the install will finish and you should see this:



If you do NOT see the seven words "PASS" as shown above, or six words "PASS" and one "FAIL" (this is also OK), then the install did not succeed and you should try again.

If the install succeeded, you should now be able to pick up your Xeo and use it. To verify that the install succeeded, enter the main menu, and go to Preferences->Status, and the software version should be the same as the version that you tried to install.