

Upgrading Cleverscope

Important

Upgrade to Runtime Library

The latest Cscope v35xx.zip file this was extracted from has been built using Labview 7.1 which is the latest iteration of Labview. The runtime for Cleverscope is now different from the runtime used for Cscope v33xx.zip. Before attempting to use the accompanying Cleverscope.exe you must have the new runtime library installed. You can tell which one you currently have by running Cleverscope and going Help/About Cleverscope. Look at the version number. If the version starts with 3.3xx you have the previous runtime, and you must load the complete install off the website, and run that. If the version starts with 3.4xx or 3.5xx then you can safely copy the attached Cleverscope.exe over the top of the old one.

Change to Operating System compatibility

The new Labview 7.1 runtime is now only compatible with Windows NT SP5+, Windows 2000 and Windows XP. It is **no** longer compatible with Win 98 or Win ME. You cannot run the attached Cscope v35xx.exe on a Win 98 or Win ME machine. If you wish to use Win 98 or Win ME, please send a request to info@cleverscope.com, and we will send you a link to download the application with the runtime library compatible with Win 98 or Win ME. Currently both applications have the same capabilities. However, we plan to leverage of some of the Labview 7.1 capability that is not available in earlier run times, and for this reason we recommend usage on Win XP or Win 2000 machines.

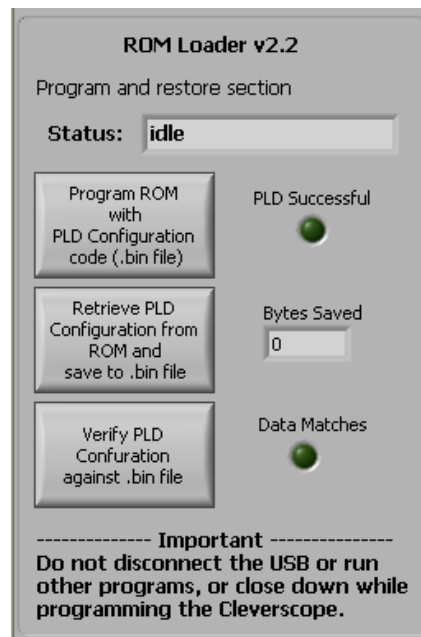
Requirement to upgrade the Cleverscope Acquisition Unit firmware

In order to be certain that the firmware matches the latest software, we recommend you upgrade the firmware at the same time as updating the PC Cleverscope application.

Upgrading the Cleverscope system

Only if your current Cleverscope is version v3.4xx or v3.5xx:

1. Download and extract the latest Cleverscope Update v35xx.zip file into the \Program Files\Cleverscope directory (or other directory where Cleverscope was initially installed).
2. Connect the Cleverscope power supply, and turn on. Connect the USB cable from the Cleverscope to the PC. Do not connect any other cables.
3. Navigate to the \Program Files\Cleverscope directory. Double click on the 'ROM Loader.exe' file to start ROM Loader. You should see this control panel:



4. Click on the 'Program ROM with PLD Configuration code (.bin file)'.
5. Navigate to the \Program Files\Cleverscope directory and select the latest binary file.

EXTREMELY IMPORTANT:

You must choose the correct binary file.

Use Cleverscope cscope_v52xx.bin for version 2 hardware (without Sig Gen port or hole) and Cleverscope cscope_v53xx.bin for version 3 hardware (with Sig Gen port or hole)

Do not program the wrong file, or the unit will have to be returned to the factory.

6. The ROM Loader will now proceed to program the Cleverscope. Do not turn off the computer, or start any other programs, or burn CD-ROMs during this process. The status indicator will show progress in 12.5% increments.
7. When the status is 'Write Complete', the Cleverscope has been re-programmed.
8. Close the ROM Loader, by clicking on the close box.
9. Turn off the Cleverscope power, wait two seconds, and turn it back on.
10. Start the Cleverscope application – either from the start menu, or from the desktop icon. (The file cleverscope.exe should have been written over the old one).
11. Without any connections to the front panel, select Options/Calibrate Cleverscope. Start the calibration. This will take about 7 minutes, so have a cup of tea!
12. When calibration is finished, your Cleverscope should be ready to use. You may find that you will need to re-open/close windows in use, and change scales on first use. Following first use, all your settings will be remembered.
13. Good luck!

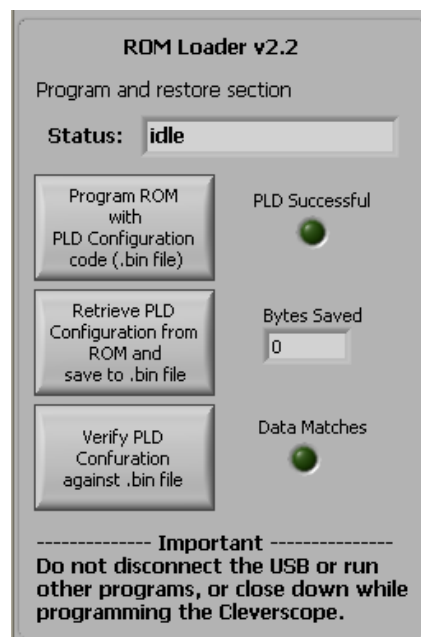
Upgrading a Cleverscope System with v3.3xx software.

If you have a system with v3.3xx software you will need to do a complete install.

Download Cleverscope Install v3.5xx from the resources page on the www.cleverscope.com website.

Proceed as follows:

1. Rename the existing Program Files\Cleverscope directory to Cleverscope Old (this gives you continued access if you need it).
2. Create a new directory, Program Files\Cleverscope.
3. Download the Cleverscope Installer from <http://www.cleverscope.com/resources/>.
4. Extract the latest Cleverscope Install v35xx.zip file into the \Program Files\Cleverscope directory.
5. Run setup.exe. This will install the latest Cleverscope including runtime library.
6. Connect the Cleverscope power supply, and turn on. Connect the USB cable from the Cleverscope to the PC. Do not connect any other cables.
7. Navigate to the \Program Files\Cleverscope directory. Double click on the 'ROM Loader.exe' file to start ROM Loader. You should see this control panel:



8. Click on the 'Program ROM with PLD Configuration code (.bin file)'.
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Good luck!