Instructions for IT departments regarding DELTA noiseLAB 3.0 and noiseLAB 4.0.

Product Description:

noiseLAB 3.0: Is obsolete and replaced by noiseLAB 4.0. In cases where it is still required on the PC, the following apply:

1. noiseLAB 3.0 consists of two programs whose names and version numbers are shown on the following link, from which they also can be downloaded.
    https://noiselabdk.wordpress.com/download-trial/
2. noiseLAB 3.0 only runs natively on Windows XPProfessional Service Pack 2 and up.
3. noiseLAB 3.0 runs on Windows 7 in Administrator mode.   It is not tested or supported at higher versions of Windows.
4. The license key for noiseLAB 3.0 is not the same as for noiseLAB 4.0.
5. noiseLAB 3.0 and 4.0 may be installed at the same time on the same PC.

noiseLAB 4.0:

1. noiseLAB 4.0 consists of two programs whose names and version numbers are shown on the following link, from which they also can be downloaded.
    https://noiselabdk.wordpress.com/download-trial/
2. noiseLAB 4.0 only runs natively on Windows 7 Professional. It is not supported or tested on Windows 8 or Windows 8.1 and support on Windows 10 is planned, but no dates announced.
3. The license key for noiseLAB 4.0 is not the same as for noiseLAB 3.0.

Installation:

1. Download the required programs from the web site links given above. All programs all 32-bit windows programs. The download web site is not signed.
2. Unzip the files in a separate operation from the install process
3. Some virus scanners may not accept the installation or execution of noiseLAB files.   It is the responsibility of the system operator to add noiseLAB and any of its utilities to the virus scanners list of safe programs.
4. Double click the .exe file in the extracted folder to start the installation process. Install at the recommended location prompted by the installer.
5. As part of the installation of noiseLAB 4.0 a large pack of drivers and several utilities, including NI Update Service (NI=National Instruments) and NI MAX (Measurement and Automation Explorer) are also installed automatically. Follow the prompts and do not change any of the install options.
6. WARNING: noiseLAB is a system used for certified measurements, and hence updates to new versions of drivers may "break" the certification.   Do not update to new versions of DAQmx from National Instruments without contacting DELTA.
7. Windows automatic size scaling must be set to 100%.

License Keys:

A common license key is used for noiseLAB Capture and noiseLAB Batch 4.0. The license key is provided by email when the product has been paid for.

1. License entry and activation do not require an internet connection.
2. Start noiseLAB Capture and copy the data from **between** the "" quote signs into the required fields. All fields are case sensitive and also sensitive to leading or trailing spaces.
3. noiseLAB Capture will respond by identifying the Edition of noiseLAB that the license applies to.
4. Close noiseLAB Capture. This will store the license key.
5. Open noiseLAB Batch Processor.   It should automatically pick up the license key from noiseLAB Capture.
6. One license number may be used for up to three different installations of noiseLAB, for **non-simultaneous use.**
7. **The complete license conditions are provided at the following link:**

https://noiselabdk.wordpress.com/buy-noiselab/license-terms/

Operational Considerations:

noiseLAB is software for real time data acquisition systems whose proper operation requires that input data can be streamed without interruption to disk. Data streaming rates may be in the multi Mbyte/s range. Any service function on a PC such as virus scan, program updates service programs, IT tools for analyzing and scanning a PC, may "break" the real time integrity of the measurement system, resulting in incorrect results.

DELTA suggests one of several solutions is managed IT environments.

1. Use an "isolated" non-standard machine with no network connection and classic IT utilities disabled and inform the end user of the rules for use of this machine. This will give the most trouble-free operation from a test and measurement integrity standpoint.   Most IT organizations have policies for dealing with special purpose PCs. It is our experience that end-users are not fond of this solution, since it removes their easy access to backup drives and data sharing.
2. Use a machine configured by the IT department in such a manner that IT standards and end user needs are satisfied.   Depending on the IT policies, this may range from a simple task to a very complex set of issues. An example is the following: Since the drivers provided with the system have provision for automatic identification of networked data acquisition systems, corporate networks configured with obsolete Microsoft domain naming may give performance issues. Therefore, support of noiseLAB in IT managed environments is available from DELTA on a paid hourly basis.

3. DELTA does not support running noiseLAB on virtual machines.
4. noiseLAB is only tested and supported on English/US versions of Windows

Although in practice we see relatively few issues with the above items, it varies greatly from installation to installation.

This document plus the noiseLAB 4.0 User Guide are the formal documentation available with the system.

https://noiselabdk.files.wordpress.com/2011/10/noiselab-4-0-users-guide.pdf

Also consult the support page at

https://noiselabdk.wordpress.com/support-and-faq/

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