

Getting Started with the LabVIEW™ Education Edition

The LabVIEW Education Edition is a software programming kit tailored for educational purposes. You can use the LabVIEW Education Edition to teach and learn science and engineering concepts through a project-based curriculum.

The LabVIEW Education Edition includes the following components:

- **LabVIEW**
LabVIEW is an easy-to-use, interactive graphical programming language applicable in areas throughout engineering and science. With LabVIEW, you can gather data from thousands of instruments and data acquisition and measurement devices, extract useful information from the data with interactive wizards and more than 500 built-in LabVIEW measurement analysis and signal processing functions, and visualize results in custom user interfaces, graphs, charts, and reports.
- **LabVIEW LEGO® MINDSTORMS® NXT Module**
The NXT Module extends the LabVIEW graphical development environment so you can create programs that run on the computer and communicate with an NXT brick, as well as programs that run directly on the NXT brick.
- **Vernier SensorDAQ® and Go!®**
The Vernier SensorDAQ is a multifunction USB data acquisition (DAQ) device ideal for data logging, feedback and control, building custom sensors, running servo and stepper motors, and more. The SensorDAQ works with over 50 Vernier sensors. The Vernier Go! devices are low-cost sensors that connect directly to the USB port of the computer. With the LabVIEW Education Edition, you can create VIs and run example programs for these devices. **(Mac OS)** The LabVIEW Education Edition for Mac OS does not contain Vernier SensorDAQ devices.
- **(Windows) NI-DAQmx 9.0**
NI-DAQmx software provides LabVIEW and C Application Programming Interfaces (APIs) that allow you to create applications for a wide variety of National Instruments DAQ devices. **(Mac OS)** The LabVIEW Education Edition for Mac OS installs NI-DAQmx Base 3.3.0.

Where to Go from Here

The following documents and Web sites contain information about programming concepts and provide step-by-step instructions for using the LabVIEW Education Edition:

- *Using the LabVIEW Education Edition in the Classroom*—Use the [Using the LabVIEW Education Edition in the Classroom](#) Web site at [ni.com](#) to access ideas and information about project-based lessons that use the LabVIEW Education Edition software.
- *NXT Robotics Online Community*—Use the [NXT Robotics Online Community](#) Web site at [ni.com](#) to read the latest training tutorials, download example programs, and connect with other LabVIEW users or engineers.
- *LabVIEW NXT Module Help*—Use the *LabVIEW NXT Module Help* to access information about NXT Module programming concepts, step-by-step instructions for using the NXT Module, and reference information about NXT Module VIs, functions, palettes, menus, tools, dialog boxes, and so on. Access the *LabVIEW NXT Module Help* by selecting **Help»NXT Module Help** in LabVIEW.
- *LabVIEW Help*—Use the *LabVIEW Help* to access information about LabVIEW programming concepts, step-by-step instructions for using LabVIEW, and reference information about LabVIEW VIs, functions, palettes, menus, tools, properties, methods, events, dialog boxes, and so on. The *LabVIEW Help* also lists the LabVIEW documentation resources available from National Instruments. Access the *LabVIEW Help* by selecting **Help»Search the LabVIEW Help** in LabVIEW.

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