EV3 SOFTWARE: EDU VS. HOME

By Droids Robotics, 2015

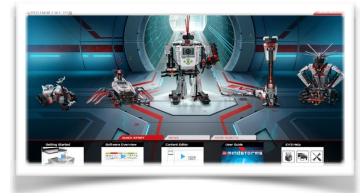Many EV3 users refer to the Home/Retail edition as the "toy version" of the software. This is a mistake. In reality both versions of the software are identical when it comes to programming your EV3 LEGO MINDSTORMS.

If you are running a robotics classroom, you might like the tutorials, models and datalogging features of the EDU edition. It does give you access to the new iOS App version of the software. If you buy the Home edition of the EV3, you can always buy the additional sensors separately and download the additional programming blocks.

The capability and functionality of both versions of the software are identical.

In terms of the actual kit, the EDU kit and the Retail kit come with different LEGO parts, and a different set of sensors. No matter which kit you buy, the additional parts (such as sensors, beams, rechargeable battery, etc. can be purchased separately).

	Education Edition	**Home/Retail Edition**
Cost	US$100 Single licence US$400 Site Licence Available from LEGO Education	Free Available here: www.lego.com/en-us/mindstorms/downloads/software/ddsoftwaredownload/
Programming Language	EV3-G	EV3-G
Datalogging	YES	NO
Programming Tutorials	General EV3 programming tutorials included	EV3 programming tutorials for specific missions related to each build
Building Instructions	5 models: EV3 Core Base, GyroBoy, Color Sorter, Puppy, Robot Arm H25 Build Instructions: robotsquare.com/2013/10/01/education-ev3-45544-instruction/	5 models: TRACK3R, SPIK3R, EV3RSTORM, R3PTAR, GRIPP3R Bonus Models Available Build instructions; http://www.lego.com/en-us/mindstorms/build-a-robot
Sensor Support	Built-in blocks/support for all LEGO-manufactured sensors (available in both the Edu and Retail kits)	Supports all sensors. You will need to download the blocks for the ultrasonic and gyro sensors. Download here: http://www.lego.com/en-us/mindstorms/downloads
Additional App Support	Purchasing the EDU version lets you install the App version of the EV3 Software: https://itunes.apple.com/us/app/lego-mindstorms-education/id959374369?mt=8. Robot Commander App will work.	Home/Retail Edition users will not be able to install and use the App version of the EV3 Software. Robot Commander App will work: http://www.lego.com/en-us/mindstorms/downloads/robot-commander-app