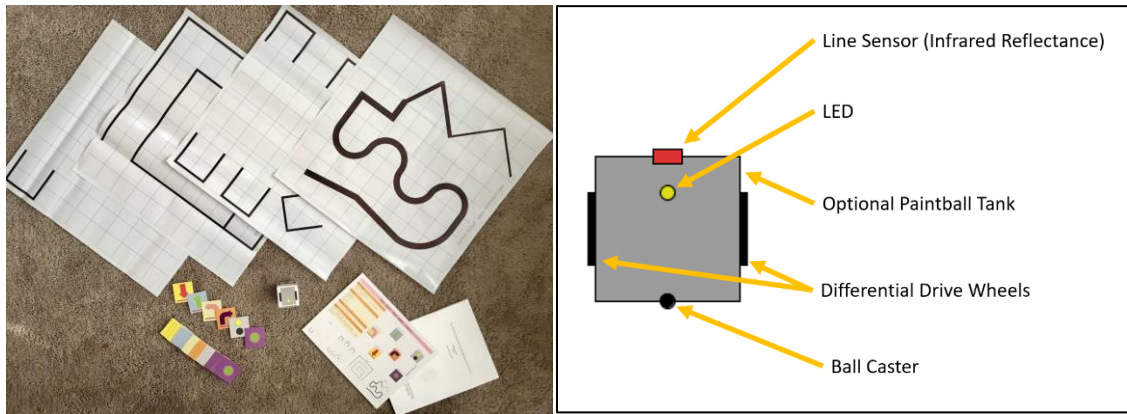


What is NONI Robot?

NONI Robot is a programmable robot that lives in a virtual world. The robot is a two-wheeled robot with a sensor to detect dark lines on the floor. It has an LED it can turn on or off. It also has a paintball tank to draw on the floor. The robot drives on “maps” made of white surfaces with black painted lines.

It features a simple mode and an advanced mode. The simple mode features simple commands for beginners (e.g. “forward” or “left”). Advanced users may use the robot for autonomous control using the sensor and wheel motors. In this write-up, we will focus on the simple mode only.



NONI Robot teaches topics from Science, Technology, Engineering, Art, and Mathematics. The robot can be used with a physical hands-on kit and activity book, where students plan out their solution strategy. Students then implement their strategy on the simulator where they can see the robot in action. If needed, the simulator may be used without the kit, or vice versa. The simulator is compatible with computers, tablets, and cell phones (Windows, Mac, Linux, iOS, Android).

Why choose NONI Robot over other robot kits or simulators?

NONI Robot	Other Robot Kits
Quick and easy start, and no installation required	Much time wasted on setting up, e.g., robot assembly, software installation, etc.
Can be taught by persons with non-technical backgrounds	Often require a technical background to teach
Frustration-free and reliable	Cheap robot kits (<\$50) have electrical/mechanical reliability issues which waste time and demotivate
Supports learning through activity cards as well as through code	Usually support learning through activity cards, or code, but not both
Supports widest variety of platforms (Windows, Mac, Linux, iOS, Android, and more)	Often limited to Windows and Mac, or mobile only.
Graphics and software specifically designed not to slow down computer or mobile	Bloated graphics and software can often slow down the computer or mobile, which is frustrating
Designed to minimize screen time and maximize “hands-on” time	Often require extensive screen time, which is not healthy for children or even adults

Contact: support@nonirobot.com

Link: www.nonirobot.com

Command reference: www.nonirobot.com/reference

