Experiential Robotics Platform (XRP) Kit - Beta

SKU: KIT-22230

Product Overview

The Experiential Robotics Platform (XRP) is a hands-on, comprehensive robotics platform and includes everything needed to build and program a robot to perform beginning through advanced tasks - building the foundation for innovative thinking, science, engineering, and problem solving. The platform provides:

- Progression from fundamental robotics to driving, line following, using sensors, using a robotic arm, and culminates in building an autonomous delivery robot

- Coding environment includes Blockly tools/libraries, Python, and the FIRST ® Robotics coding development tool, WPILib

- Easy-to-assemble hardware kit that can be assembled completely tool free (no soldering, no screws)

- Online activities and modules that build on one another

- Content designed for middle and high-school students and beginners

- Jumping off point for customizing the robot in countless ways

Product includes:

- 1x XRP Controller Board

- 1x XRP Chassis Set

- 1x Ultrasonic Distance Sensor

- 1x Servo (Sub-Micro Size)

- 2x Hobby Motor with Encoder

- 2x Caster

- 2x O-Ring

- 2x Flexible Qwiic Cable - Female Jumper (4-pin) with Heat Shrink

- 1x Battery Holder - 4xAA to Barrel Jack Connector

- 1x Custom Line Follower Board

- 1x XRP Sticker Sheet