

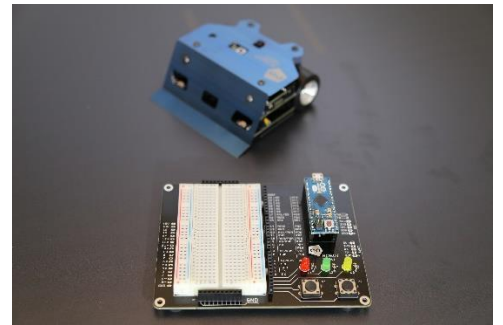
# Robot prototyping kit SumoBoy

## Description

Robot prototyping kit includes **robot SumoBoy** and **prototyping kit**, opening an opportunity for interesting time spending and a way for implementation of your own projects. The kit is designed for pupils and enthusiast looking for a way to learn fundamentals of electronics and programming. The **SumoBoy** robot is design in accordance with international rules of robot sumo competitions and is ready to participate there. The **prototyping kit** includes a breadboard for soldering-free circuit construction allowing to reuse the components for different designs and use **Arduino Micro** microcontroller for programming. The kit is designed using accumulated teaching experience of Robotics Club of Riga Technical University leading the robotics community in Latvia since 2008.

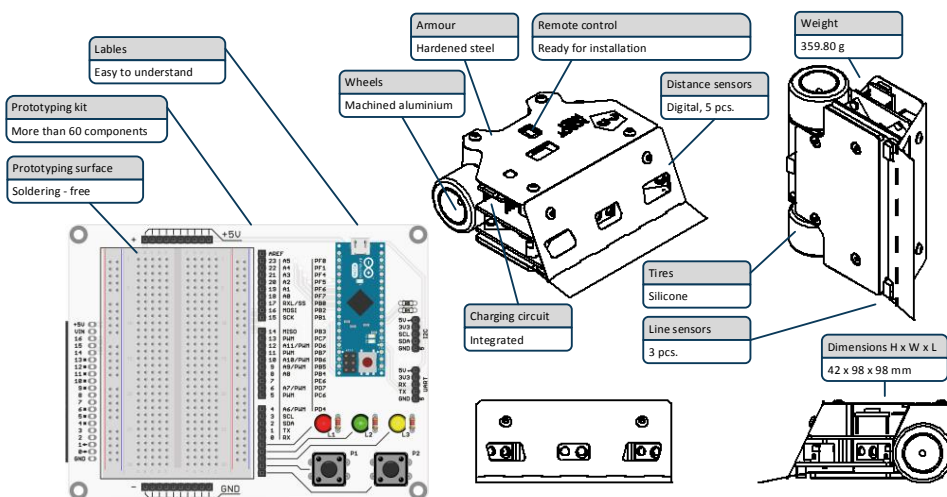
## Key features

- The kit is designed using accumulated teaching experience of Robotics Club of Riga Technical University leading the robotics community in Latvia since 2008.
- Solder-free breadboard allowing to reuse the parts.
- More than 60 different electronics part for exercises starting from simple electric circuit up to motor control.
- More than 35 exercises with different levels of difficulty to learn fundamentals of electronics and programming.
- Arduino Micro microcontroller.
- Robot characteristics: hardened steel armour, designed using successful experience of Latvian team in international competition in Europe, USA and Japan.



## Application

- Top quality equipment for schools, robotics clubs, centres of technical creativity;
- For enthusiast of international scale robotics competitions;
- Attractive equipment for teaching informatics;
- Excellent hands-on helper for teaching electronics fundamentals;
- Provide a lot of fun with friends;
- An excellent present for teenager or student starting the next education level.



## Technical specification

Robot SumoBoy	1 pcs.
Battery	LiFePO <sub>4</sub>
Total weight	410 g
Mikrocontroller	Arduino Mirco
Prototyping surface	60 x 50 mm
Electronics components	> 60 pcs.
Servomotor	1 pcs.
DC motor	1 pcs.
Motor driver	1 pcs.
Mounting wires	25 pcs., different colours
Component box	High quality plastics