

Robot SumoBoy

Description

The SumoBoy is designed to learn fundamentals of electronics and programming for pupils and enthusiasts. Its design is fully compliant with international robot SUMO competition rules and is ready to be compete. SumoBoy reflects experience and know-how of the Latvian robotics team, which has been among winners of European, USA and Japan robot competition for several years. The robots is controlled by well-known Arudino Micro microcontroller. Allowing to use huge knowledge of the Arudino community. The robot will be attractive for both beginners and experienced enthusiasts.

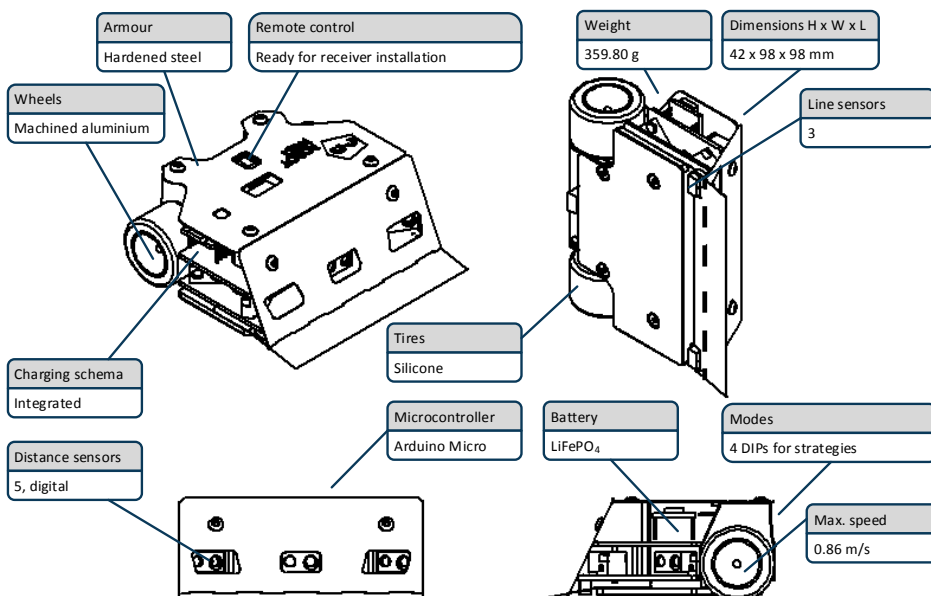
Features

- Reflects the best of Latvian robotics team experience and know-how;
- Hardened steal armour;
- Machined aluminium wheel disks;
- Special silicone composition rubber wheels;
- Five forward looking sensors;
- Specially designed motors and reducers;
- 4 dip switches for strategy selection;
- Arduino Micro controller;
- Supports IR remote compliant with international rules;
- Safe LiFePO₄ battery;
- Integrated charging schema;
- More than 30 exercises for learning electronics and programing;



Applications

- 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

Dimensions HxWxL	42 x 98 x 98 mm
Wight	359.80 g
Power source	6V – 12 V
Motors	6V x 1,2 A
Max. speed	0,86 m/s
Battery type	LiFePO ₄
Sensor num.	5 gab.
Line sensor num.	3 gab.
Tires	Silicone
Microcontroller	Arduino Micro