



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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(images/product/110990455\_1\_02.jpg)

## Starter Robot Kit (IR Version)

SKU: 110990455

### Description

#### Introduction:

This Kit is a great choice for learning robotics, electronics and Arduino programming. It contains mechanical parts and electronic modules for you to start exploring the robot world, it can be used to build a robot tank or a three-wheel robot car.

With the following electronic modules : Me Orion, ultrasonic sensor, IR remote controller and IR receiver, an IR controlled robot or an ultrasonic obstacle-avoiding robot can be build. The Me series electronic modules are easy-to-use, very friendly to beginners.

**Features:**

- Perfect for beginners learning robotics, electronics and Arduino programming.
- Build a Robot Tank or a Three-Wheeled Robot Car.
- Aluminum extrusion structure.
- Easy wiring, no soldering required.

The battery of IR Remote Controller will be taken to assure safe transport, you may need to buy it by yourself. The battery size is CR2025. Sorry about the inconvenience.

**Specification:**

No.	Part Name	QTY
1	Beam 0824-96	1
2	Beam 0824-128	1
3	Beam 0824-144	2
4	Plate 3x6	1
5	Bracket 3x3	1
6	Bracket P3	1
7	DC Motor-25 Bracket B	2
8	Caster Wheel	1
9	DC Motor-25 6V/185RPM	2
10	Shaft Connector-4mm	2
11	Timing Pulley 90T	4
12	Tyre 68.5x22mm	2
13	Track	38
14	Track Axle	38
15	Threaded Shaft 4x39mm	2
16	Shaft Collar 4mm	2
17	Flange Bearing 4x8x3mm	4
18	HEX Screwdriver 2.5mm	1
19	Cross Screwdriver 3mm	1
20	HEX Allen Key 1.5mm	2
21	Wrench 7mm&5mm	1
22	Socket Cap Screw M4x8-Button Head	22
23	Socket Cap Screw M4x14-Button Head	14
24	Countersunk Screw M3x8	4

25	Headless Set Screw M3x5	4
26	Nut M4	3
27	Nut M8	1
28	Nylon Stud M4*30	6
29	Plastic Rivet R4060	4
30	Plastic Rivet R4120	4
31	Plastic Ring 4x7x2mm	4
32	Me Orion	1
33	Me Ultrasonic Sensor 3.0	1
34	Me IR Receiver V2.1	1
35	New Me IR Remote Controller	1
36	6P6C RJ25 cable-20cm	1
37	6P6C RJ25 cable-35cm	1
38	USB 2.0 A-Male to Micro B-Male Cable	1
39	Base Bracket B	2
40	Battery Holder for (6)AA	1

- Arduino programming (<http://learn.makeblock.cc/learning-Arduino/>)
- Arduino Library (<https://github.com/Makeblock-official/Makeblock-Library>)
- Scratch for Robot (<http://learn.makeblock.cc/learning-scratch>)

If you have any further question for technical support, please contact [waker@makeblock.cc](mailto:waker@makeblock.cc) (<mailto:waker@makeblock.cc>) or visit forum (<http://forum.makeblock.cc/category/makeblock-products>) of Makeblock.